Volume

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R0381

BOOK A-381

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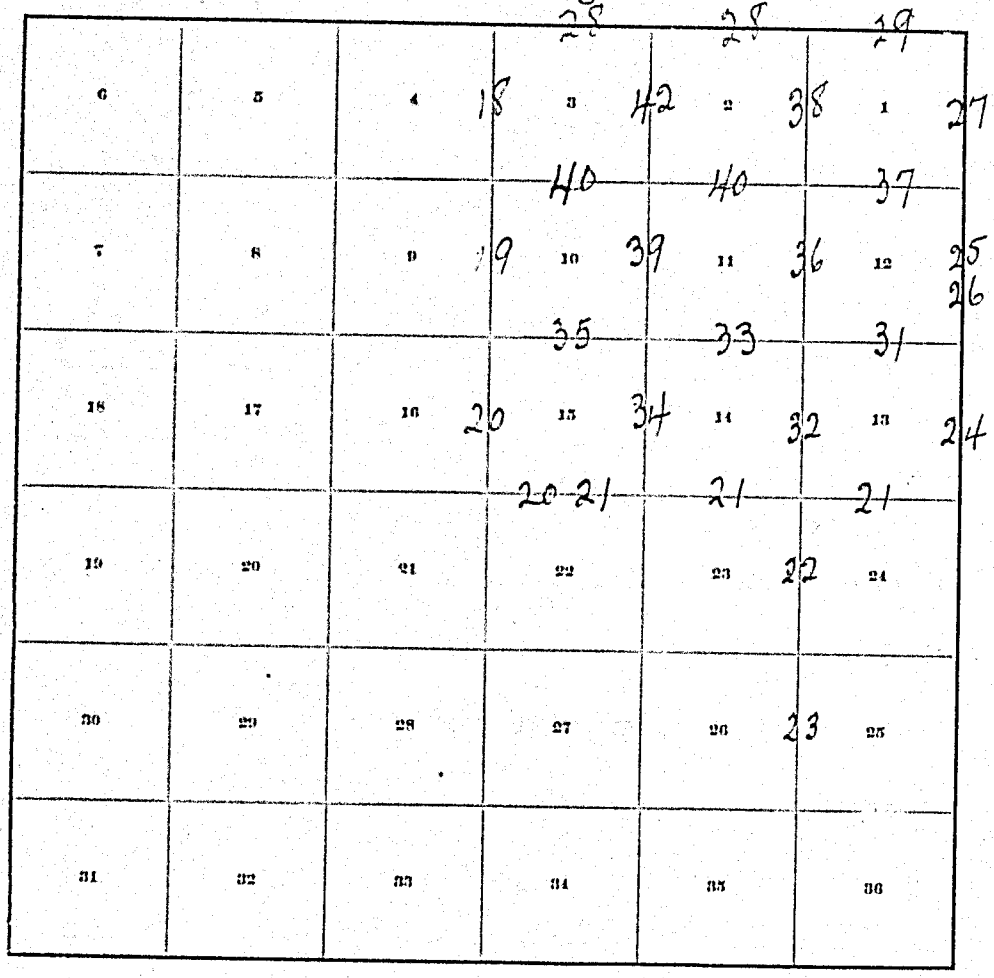
Township 29 South, Range 10 West



6—151

FIELD NOTES

OF THE SURVEY OF THE

Of the ..... *Meridian,*

In the State of .....

EXECUTED BY

In the capacity of U. S. Surveyor...., *under instructions dated*....., *191*...., *issued by the United States Surveyor General to govern surveys included in Group No.*....., *which were approved by the Commissioner of the General Land Office,* ....., *191*...., *pursuant to authority contained in the Act of Congress dated* ....., *191*....

Survey commenced ....., *191*....

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FIELD NOTES

REPRESENTING
THE SURVEY OF THE

PART OF TOWN BOUNDARY AND SUBDIVISION

REPRESENTING AND RESURVEY OF PART OF T. [illegible]

IN

[illegible]

OF

PLAT OF SUBDIVISION

OF

[illegible]

of the [illegible] Meridian,

[illegible]

AS SURVEYED BY

[illegible] United States Surveyor,

[illegible] Surveyor, [illegible] March [illegible] 1919.

Survey commenced August 18, 1910, and

Survey completed September 21, 1910, and

[illegible]

BOOK A-381

NAMES AND DUTIES OF ASSISTANTS.

George W. Daniel, Chainman
Edwin Garn, Chainman
Willis Whitmore, Moundman
Fred Sharp, Flagman

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PRELIMINARY OATHS OF ASSISTANTS.

WE, George W. Daniel and Edwin Gow 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 subdivisional lines of T.29 S., R.10 W.; T.29 S.R.9 W.; T.28 S.R.10 W.; T.28 S.R.9 W.; and T.27 S.R.9 W. of the S.L.B.& M., Utah.

George W Daniel, Chainman.

Edwin Gow, Chainman.

Subscribed and sworn to before me this 17th day of August, 1900

SEAL

Stanley Staten
Notary Public.

WE, Willis Whitmore and do solemnly swear that we will well and truly perform the duties of moundman in the establishment of corners, according to the instructions given ~~us~~ me, ~~to~~ the best of ~~our~~ my skill and ability, in the survey of the subdivisional lines of T.29 S., R.10 W.; T.29 S., R.9 W.; T.28 S., R.10 W.; T.28 S.R.9 W.; and T.27 S., R.9 W. of the S.L.B.& M., Utah.

Willis Whitmore ~~Chainman~~, Moundman.

, Moundman.

Subscribed and sworn to before me this 17th day of August, 1900

SEAL

Stanley Staten
Notary Public.

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

, Axman.

, Axman.

Subscribed and sworn to before me this day of , 190

SEAL

I, Fred Sharp, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of the subdivisional lines of T.29 S., R.10 W.; T.29 S., R.9 W.; T. 28 S.R.10 W.; and T.28 S., R. 9 W., of the S.L.B.& M., Utah.

Fred Sharp, Flagman.

Subscribed and sworn to before me this 17th day of August, 1900

SEAL

Stanley Staten
Notary Public.

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Retracement of the Subdivision of T.29 S.R.IO W.

Survey commenced Aug.18,1910,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 Assistant Supervisor of Surveys of the General Land Office Aug.6, 1910.

Aug.7,1910 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 observationson Polaris ,I proceed as follows. August.18,1910.

At the cor. of secs. 3,4,33 and 34 ,Tps.28 and 29 S.R.IO W. ,which is a granite stone IO X IO X 6ins. above ground ,firmly set, and marked and witnessed as described by the surveyor-general.

Latitude 38°19'57"N.Longitude 112°56'35"W. I set off 38° 20'N.on the lat. arc; 13°IO'N.on the decl.arc;and at 4 h 4 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 9 h 46 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 ,ona peg driven in the ground ,5 chs. N.of my station.

August,18,1910

Aug,19,1910.At 7 h 00 m a m l m t , I lay off the azimuth of Polaris ,1°30' to the West ,and mark the meridian thus determined ,by cutting a small groove in the stone set Aug.18,on which the meridian falls 0.3ins.West of the mark determined by the solar.

Retracement of the Subdivision of T.29 S.R.IO W.

Chains. At 8 h 4 m a m l m t , I set off 38°20'N.on the lat.arc; 12°58'N.on the decl.arc: and mark a point in the meridian determined with the solar, by a cross on the stone alreat set 5 chs. N. of my station;this mark falls 0.2 ins.West of the meridian established by the Polaris observation.

The solar apparatus by a m and p.m.observations defines positions for meridians ,respectively about 0'I6"East and IO"Westof the meridian established by the Polaris observations; therefore I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the true meridian at 8 h 30m a.m is N.16°IO'W.;the angle thus determined gives the magnetic declination I6°IO'E.

From the cor. of secs. 3,4,33 and 34 already described I retrace as follows

S.0°I4'W. bet. secs. 3 and 4 .

39.90 Intersect old 1/4 sec. cor. which is a granite stone 6 X 6 X 6 ins. above ground ,firmly set, and marked and witnessed as described by the surveyor general .

79.90 Intersect old cor. of secs. 3,4,9 and IO ,which is a cedar post greatly decayed and marks nearly obliterated I destroy all traces of old cor. and re establish it at same point as follows

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 ,marked on brass cap

T 29 S S 4 in N W .

R IO W S 3 in N E.

S IO in S E.

S 9 in S.W. quadrant ; dig pits 18 X 18 X 12 in ins. in each sec.,5 1/2 ft. dist. ; and raise a mound of earth 4 ft.base 2 ft.high W.of cor.

Therefore the course of this line is as reported and distance is 79.90 chs.

Chains.	
	From the cor. of secs. 3,4,9 and IO .
	1 run
	South on a retracement line bet.9 and IO.
40 00	After careful search find no trace of old 1/4 sec .cor. Aug.19,1910,At this point 1 set off 12°54'N.on the decl. arc; and , at 12 h 04 m 1 m t , observe the sun on the meridian ; the resulting lat. is 38°19'.N.
81 45	Fall 47 lks. E.of cor. of secs. 9,IO,15 and 16 ,which is a cedar post greatly decayed and marks nearly obliterated 1 destoy all traces of old sec. cor. and re establish it at same point as follows .
	Set an iron post ,3 ft. long/ ,2 ins. in dia. 24 ins. in the ground for cor. of secs. 9,IO,15 and 16, marked on brass cap.
	T 29 S S 9 in N W .
	R IO W S IO in NE.
	S 15 in SE.
	S 16 in SW.quadrant ,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.
	Therefore the course of this line is S.0°20'W.and distans 81 45 chs.
	Thence 1 run
	N.0°20'E. on resurvey line bet. secs. 9 andIO.
	Over gently rolling bench land W.slope .
11.50	Small wash drains S.85°W.
40,721/2	Set an iron post,3 ft.long 1 in. in dia. 26ins. in the ground for 1/4 sec. cor. ,marked on brass cap, 1/4 S 9on W.half S IO on E half; dig pits 18 X 18 X 12 ins. N.and S.of post, 3 ft.dist.;and raise a mound of earth 3 1/2 ft base 1 1/2 ft. high W.of cor.
58 25	Road Milford to Minersville bears N.IO°W.and SIO°E.
81 45	The cor. of secs. 3,4,9 and IO ?.
	Gently rolling bench land W.slope ;soil sandy loam
	6 to 14 ins. deep,medium texture ,dry,on clay and gravel subsoil .
	No timber.

Retracement of the Subdivision of T.29 S.R.10 W.

Chains From the cor . of secs. 9,10,15 and 16 .

I run

South on retracement line bet. secs. 15 and 16.

40.39 Fall 33 lks. E.of old 1/4 sec . cor.which is a cedar post greatly decayed and marks nearly obliterated , I destroy all traces of the old cor. and re-establish it at same point as follows .

Set an iron post, 3ft.long,1 in.in dia. 26 ins. in the ground for 1/4 sec. cor. marked on brass cap 1/4S 16 on W half S 15 on E.half ; dig pits 18 X 18 X 12 ins. N.and S.of of post,3 ft.dist.;and raise a mound of earth 3 1/2 ft. base 1 1/2 ft. high W.of cor.

Therefore the course of this line is S.0°28'W.and distance is 40 39 chs.

Moved to 1/4.sec.corr.

Thence I run

South on retracement line bet. secs. 15 and 16.

40 21 Fall 33 lks. E.of cor. of secs. 15,16,21 and 22,which is a a quartz stone 6 X 6 X 6 ins. above ground ,firmly set, and marked and witnessed as described by the surveyor general.

Therefore the course of this line is S.0°28'Wand distance is 40 21 chs.

From cor.of secs. 15,16,21 and 22,

I run

S.89°52'E.on retracement line bet.secs.15 and 22.

40 46 Fall 16 lks. N.of 1/4 sec. cor. which is a sand stone 8 X 6 X 5 ins. above ground ,firmly set ,and marked and witnessed as described by the surveyor general.

Therefore the course of this line is S.89°38'E. and distance is 40 46 chs.

Aug.19, 1910

Aug.22, 1910 , At 9 h 3 m a m l m t ,I set off 38°17'on the lat. arc; 11°57'N.on the decl. arc; and determine a

Chains.	
	meridian with the solar at the 1/4 sec. cor. bet. secs. 15 and 22 .
	Thence I run
	S.89°52'E. on retracement line bet. secs. 15 and 22 .
40 62	Fall 26 lks. N.of the cor.of secs. 14,15,22 and 23, which is a quartz stone IO XIO X IO ins. above ground ,firmly set, and marked and witnessed as described by the surveyor general.
	Therefore the course of this line is S.89°30'E. and distance is 40 62 chs.

	From the cor. of secs. 14,15,22 and 23 .
	I run
	S.89°32'E. on retracement line bet.secs. 14 and 23.
40 42	Fall 58 lks. N.of 1/4 sec. cor. which is a lime stone 6 x 6 X 3 ins. above ground ,firmly set ,and marked and w witnessed as described by the surveyor general.
	Therefore the course of this line is S.88°43'E.and distance is 40 42 chs.
	Moved to the 1/4 sec. cor.
	Thence I run
	S.89°32'E. on retracement line bet. secs. 14 and 23.
40 70	Fall 94 lks. N/ .of the cor. of secs. 13,14,23 and 24. which is a lime stone IO X 8 X 6 ins. above ground , firmly set, and marked and witnessed as described by the surveyor general.
	Therefore the course of this line is S.88°13'E. and distance 40 70 chs.
	Aug .22 ,1910.

	Aug.26,1910, At 8 h 2 m a m l m t , I set off 38°17'on the lat. arc; IO°36'N. on the decl.arc; and determine a m meridian with the solar at the cor. of secs. 13,14,23 and 24.
	Thence I run
	S.89°54'E. on retracement line bet. secs. 13 and 24.
41 05	Fall 2 lks. N. of 1/4 sec. cor. which is a lime stone

Chains. badly crumbled and marks nearly obliterated , I de-
stroy all traces of old 1/4 sec. cor. and re-establish
it at same point as follows
Set an iron post, 3 ft.long,1 in.in dia. 26 ins. in the
ground for 1/4 sec. cor. with brass cap marked 1/4 S 13
on N.half S 24 on S.half.
from which
A cedar 6 ins. diam. bears N.45°W. 45 lks. dist.
marked 1/4 S 13 B T
A cedar 6 ins. diam. bears S.51°E. 26 lks. dis t.
marked 1/4 S 24 B T
Therefore the course of this line is S. 89°52'E. and
distance is 41 05 chs.
Moved to 1/4 sec. cor.
Thence I run
S.89°54'E. on retracement line bet . secs. 13 and 24.
41 15 Intersect E.bdy. of Tp.3 lks. N.of cor. of secs. 13,18,
19 and 24 ,which is a lime stone 12X 10 X 5 ins. above
ground ,firmly set, and marked and witnessed as described
by the surveyor general.
Therefore the course of this line is S.89°52'E. and
distance 41 15 chs.
Aug.26,1910.

Sept. 24,191 0 . At 7 h 52 ma m 1 m t , I set off 38°17'
on the lat. arc; 0°15'S. on the decl.arc; and determine
a meridian with the solar at the cor. of secs. 13,14,23
and 24
Thence I run.
South on retracement line bet. secs. 23 and 24.
40 28 Fall 90 lks. W.of 1/4 sec. cor. which is a lime stone
8 X 6 X 5 ins. above ground,firmly s t,an d marked and
witnessed as described by the surveyor general.
Therefore the course of this line isS.I°17'E.and distanc
40 29 chs.
Moved to cor.
Thence I run

Chains.	
	South on retracement line bet. secs. 23 and 24.
40 73	Fall 1.59 chs. E.of the cor. of secs. 23,24,25 and 26, which is a sand stone 7 X 6 X 4 ins. above ground ,firmly set ,and marked and witnessed as described by the surveyor general,
	Therefore the course of this line is S.2°14'W.and distance 40 76 chs.

	From the cor. of secs. 23,24,25 and 26/.
	I run.
	South on retracement line bet. secs. 25 and 26.
40 11	Fall 1 07 chs. W. of 1/4 sec.cor. which is a lime stone 7 X 6 X 4 ins. above ground ,firmly set and marked and witnessed as described by the surveyor general.
	Therefore the course of this line is S.1°32'E.and distance 40 12 chs.
	Moved to the 1/4 sec. cor.
	Thence 1 run.
	South on retracement line bet. secs. 25 and 26.
40 05	Fall 1 33 chs. W.of the cor. of secs. 25,26,35 and 36. which is a lime stone 7 x 6 X 6 ins. above ground ,firmly set and marked and witnessed as described by the surveyor general.
	Therefore the course of this line is S.1°54'E. and distance 40 07 chs.
	Sept. 24,1910 ,At this cor. I set off 0°20'S. on the decl arc; and at 11 h.52 m a.m. 1 m.t , observe the sun on the meridian the resulting lat. is. 38°16'
	Sept.24,1910

	Aug. 24, 1910.At 9 h 2 m a m 1 m t , 1 set off 38°17'N. on the lat. arc; 11°17'N.on the decl.arc; and determine a meridian with the solar at the cor. of secs. 13,18, 19 and 24, which is a lime stone 12 X 10 X 5 ins. above ground , firmly set, and marked and witnessed as describe by the surveyor general.

Retracement of the E.Bdy. of T.29 S.R.IO W.

Chains	
	Thence 1 run.
	North on retracement line bet. secs. 13 and 18,
	Over stony rolling mts. land descend,
7 00	Draw 50 ft. below sec.cor. drains S.I0°W.
39 99	Fall 18 lks. E. of 1/4 secC cor., which is a lava rock 16 X IO X 4 ins. above ground ,firmly set,and marked and witnessed as described by the surveyor general.
	Therefore the course of this line is N.0°16'W. and distance is 39 99 chs.
	Moved to 1/4 sec. cor.
	Thence 1 run North on retracement line bet. secs.13 and 18
19 00	Spur 200 ft. above 1/4 sec. cor. projects S.IO°W.
26 00	Draw 75 ft. below spur drains S.15°W.also enter scattering cedar and pinion timber bears E.and W.
40 01	Fall 19 lks. E.of the old cor. of secs. 7,12,13 and 18 , which is a lime stone 5 X 5 X 5 ins. above ground partly decomposed ,I destroy all traces of the old cor. and re establish it at same point as follows ,
	Set an iron post, 3 ft. long, 3 ins. dia. 24 ins. in the ground for cor. of secs. 7,12,13and 18, marked on brass cap
	T 29 S on N half
	R IO W S 12 in NW.
	R 9 W S7 in NE .
	S 18 in SE.
	S 13 in SW. quadrant ;
	from which
	A cedar 9 ins. diam. bears N.60°E.85 lks. dist. marked T 29 S.R 9 W S 7 B T .
	A cedar 11 ins. diam. bears S.36°E. 53 lks. dist. marked T 29 S R 9 W S 18 B T
	A pinion 16 ins. diam. bears S.45°W.70 lks. dist. marked T 29 S R.IO W S 13 B T.
	A pinion 12 ins. diam. bears N.27°W.70 lks. dist. marked T 29 S R IO W S 12 B T
	Therefore the courseof this line is N.0°16'W. and distance is 40 OI chs.

Retracement of part of the East Bdy. of T.29 S.R.IO W.

Chains.	
	Land , mountainous
	Nearly solid lime stone.
	Timber scattering cedar and pinion .
	Aug. 24, 1910 At this cor. 1 set off 11°14'N. on the decl.arc; and at 12 h 2 m 1 m t , observe the sun on the meridian the resulting lat. is 38°18 N.

	From the cor. of secs. 7,12,13 and 18,
	I run
	North on retracement line bet. secs. 7 and 12.
40 00	After diligent search find no trace of 1/4 sec. cor.
80 00	After diligent search find no trace of old cor. of secs. 1,6,7 and 12.
	I continue N/ on this line and at 1 mile 85 00 chs.from the cor. of secs. 7,12,13 and 18 ;fall 77 lks. E.of the cor. of Tps. 28 and 29 S. Rs. 9 and IO W. which is a lime stone greatly crumbled and marks nearly obliterated I de stroy all traces of old cor. and re establish it at same pointas follows
	Set an iron post, 3 ft.long, 3 ins. in dia. 24 ins. in a stone mound for cor. of Tps. 28 and 29 S.Rs. 9 and IO W. marked on brass cap
	T 28 S on N half,
	T 29 S on S half,
	R IO W S 36 in NW.
	R 9 W S 31 in NE.
	R 9 W S 6 in SE.
	R IO W S 1 in SW. quadrant
	and raise a mound of stone 2 ft.base 1 1/2 ft. high S.of cor. Pits impracticable.
	Therefore the course of this line is N.0°16'W. and distance is 1 mile 85 00 chs. and as these Tps. have not been subdivided in the Northern parts,I resurvey the range line bet. secs. 1 ,6 ,7 and 12 ,as follows
	Aug 24,1910.

Chains. Sept. 21,1910. At 8 h 53 m a m l m t , lset off 38°18'N. on the lat. arc; 0°54'N.on the decl.arc; and determine a meridian with the solar at the cor. of secs. 7,12,13 and 18

Thence l run

N.0°16'W.on resurvey line bet. secs. 7 and 12.

Ascend over stony broken mts. land through scattering cedar and pinion timber.

8 00 Spur 200 ft. above sec. cor. projects N.55°W.

40 00 Set an iron post,3 ft. long,l in. in dia. 26 ins. in a sto stone mound for 1/4 sec. cor. marked on brasscap 1/4 S 12 on W.half , S 7 on E.half,

from which

A pinion 7 ins. diam. bears N.17°E.1 05 chs. dist. marked 1/4 S 7 B T

A pinion 8 ins. diam. bears S.45°W. 86 lks. dist. marked 1/4 S 12 B T

From this 1/4 sec. cor. a flag placed in the center of the pile of stones in which U S M M No.1 in Bradshaw mining district used to stand bears S.72°27'W.34 29 chs.

The original post being missing ,l re establish same as follows .

Set an iron post ,3 ft.long, 3 ins. india. 30 ins. in the pile of stones for U.S.M M No.1 marked on brass cap (+) cross U.S.M.M.No.1 ,N.of (+) cross

from which

The N.W.cor. of the boarding house for Cave Mine bears S. 13°W. 16 ft. dist.

A pinion IO ins. in diam. bears N.82°02'E.459 ft. di dist. marked U S M M No.1 B T

A cedar 16 ins. diam. bears S.17°04'E.297.8 ft.dist. marked U S M M No.1 B T

42 00 Draw 625ft. below spur drains W.

48 00 Spur 200 ft. above drawprojects W.

63 50 Road Milford to Hecla Mine bears E.and W.

64 00 Bottom of Cave canyon 400 ft. below spur drains.W.

80 00 Set an iron post, 3 ft. long, 3 ins. dia. 24 ins. in the

Chains.	
	ground for cor. of secs. 1,6,7 and 12 , marked on brass cap
	T 29 S on N half
	R IO W S 1 in NW.
	R 9 W S 6 in NE.
	S 7 in SE.
	S 12 in SW. , quadrant
	from which
	A cedar 7 ins. diam. bears N.60°E. 80 lks. dist.
	marked T 29 S R 9 W S 6 B T
	A cedar IO ins. diam. bears S.50°E. 65 lks . dist.
	marked T 29 S R 9 W S 7 B T
	A pinion 8 ins. diam. bears S.31°W. 30 lks. dist.
	marked T 29 S R IO W S12 B T
	A pinion 6 ins. diam. bears N.56°W. 80 lks. dist.
	marked T 29 S R IO W S 1 B T
	Land , mountainous
	Soil , very stony and gravelly.
	Timber scattering pinion and cedar.

	N.0°16'W. on resurvey line bet. secs. 1 and 6.
	Ascend over stony broken mts. land through scattering cedar and pinion timber.
20 00	Spur 500 ft. above sec.cor. projects S.80°W.
	Sept. 21, 1910. At this point I set off 0° 50'N. on the decl.arc/ . and at 11 h 53 m a.m. m t , observe the sun on the the meridian the resulting lat. is 38°19'
26 00	Draw 325 ft. below spur drains S.80°W.
40 00	Set an iron post, 3 ft.long, 1 in. in dia. 26 ins. in a stone mound for 1/4 sec. cor. marked on brass cap
	1/4 S 1 on W half; S 6 on E.half
	from which
	A pinion 7 ins. diam. bears N.77°E. 55 lks. dist.
	marked 1/4 S 6 B T
	A pinion 7 ins. diam. bears N.86°W. 53 lks. dist.
	marked 1/4 S 1 B T .
52 00	Spur 450 ft . above draw projects W.

Chains. Resurvey of Part of the East Bdy. of T.29 S.R.IO W.

76 00 Draw 250 ft. below spur drains W.

85 00 The cor. of Tps. 28 and 29 S.Rs. 9 and IO W.

before described.

This cor. is located on top of spur 275 ft. above draw projects S.85 °W.

Land mountainous.

Soil sëony and gravelly ,

Timber , scattering cedar and pinion.

Sept.21,1910.

Retracement of Part of the N.Bdy. of T.29 S.R.IO W.

Aug. 27,1910. At 9 h 02 ma m l m t , l set off 38°20' on the lat. arc; IO° 15'N.on the decl.arc; and determine a meridian with the solar at the cor. of secs. 3,4,33 and 34 here-to- fore described .

Thence l run

N.89°50'E. on retracement line bet. secs 3 and 34 .

40 54 Intersect 1/4 sec. cor. which is a sand stone IO X 8 X 4 ins. above ground ,firmly set ,and marked and witnessed as described by the surveyor general.

81 31 Intersect cor. of secs. 2,3,34 and 35 , here-to fore described

Therefore the course of this line is N.89°50'E.and distance is 81 31 chs.

N89°50'E. on retracement line bet. secs. 2 and 35,

40 00 Intersect old 1/4 sec. cor. which is a lime stone 8 X 4X 4 ins. above ground ,firmly set, and marked and witnessd as described by the surveyor general,

80 00 Intersect old cor. of secs. 1,2,35 and 36 ,which is a quartzite stone IO X 5 X 5 ins. above ground ,firmly set and marked and witnessed as described by the surveyor general.

Aug. 27,1910 , St this cor/ l set off IO°12'N. on the decl. arc;and 12 h 2 m l m t , observe the sun on the meridian the resulting lat. is 38°20'N.

Therefore the course and distance of this line is as re-

Chains. ported by the surveyor general.

N.89°50'E. on retracement line bet. secs.1 and 36.

40 00 Intersect old 1/4 sec. cor. which is a lime stone IO X 6 X 5 ins. above ground ,firmly set and marked and witness as described by the surveyor general.

80 00 Intersect the cor. of Tps. 28 and 29 S.Rs. 9 and IO W . here-to-fore described .

Therefore the courseand distance of this line is as stated by the surveyor general.

Aug. 27/,1910.

Latitudes ,departures ,and closing errors.

Line designated	True bearing	Distance	Latitudes N.	Latitudes S.	Departures E.	Departures W.
		chs	chs.	chs.	chs.	chs.
E.bdy.sec.4	S.0°14'W.	79.90		79.90		.33
E.bdy.sec.9.	S.0°20'W.	81.45		81.45		.47
E.bdy.sec.16	S.0°28'W.	80.60		80.60		.66
N.bdy.sec.22	S.89°38'E.	40.46		.26	40.46	
N.bdy.sec.22	S.89°30'E.	40.62		.35	40.62	
N.bdy.sec.23	S.88°43'E.	40.42		.91	40.41	
N.bdy.sec.23	S.88°13'E.	40.70		1.27	40.68	
N.bdy.sec.24	S.89°52'E.	82.20		.19	82.20	
E.bdysecs.1, 12 and 13	N.0°16'W.	245.00	245.00			1.14
N.bdy.secs.1 2 and 3	S.89°50'W.	241.31		.70		241.31
Convergency						.14
Totals			245.00	245.63	244.37	244.05
				245.00	244.05	
Error in lat.				.63	.32	error indep.

Subdivision of T.29 S.R.IO W.

Chains.	
	Sept. 24 ,1910. From the cor. of secs. 25,26,35 and 36 here-to- fore described ,
	I run
	S.89°34'E.on a random line bet. secs. 25 and 36,
40 00	Set temp. 1/4 sec. cor.
79 52	Intersect E.bdy. of Tp. 1 40 chs. S.of cor. of secs. 25 30,31 and 36. which is a sand stone 6 X 6 X 4ins.above ground ,firmly set, and marked 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. 25 and 36,marked on brass cap
	T 29 S on N half
	C C R 9 W S 30 S31 on E.half,
	R IO W S 36 in SW?
	S 25 in NW. quadrant
	and raise a mound of stone 2 ft. base 1 1/2 ft. high W.of cor. Pits impracticable.
	Thence I run I destroy all markson cor.of secs, 25,30,31 and 36that pertain to secs25 and 36.
	N.89°34'W. on a true line bet. secs. 25 and 36,
	Over rolling land sloping SW. through scattering growth of sage brush ascend.
17 50	Low spur 85 ft . above sec.cor. projects S.35°W.
24 00	Draw 150 ft. below spur drains S.40°W.
31 50	Wood road bears N.25°E.and S.25°W.
39 76	Set an iron post,3 ft.long, 1 in. in dia. 26 ins. in the ground for 1/4 sec. cor. marked on brass cap 1/4S25 on N.half S 36 on S.half , and raise a mound of stone 2 f ft. base 1 1/2 ft. high N.of cor. Pits impracticable.
43 50	Spur 125 ft. above draw projects S.50°W
53 50	Draw II0 ft. below spur drains S.50°W.
59 50	Spur I00 ft. above draw projects S.40°W.
68 00	Draw 75 ft.below spur drains S.55°W.
7I 50	Spur 75 ft . above draw projectsS.40°W.
76 25	Road Minersville to Cave Mine Bears N.and S.
79 52	The cor. of secs. 25,26 ,35 and 36.

Subdivision of T.29 S.R.IO W.

Chains	
	Gently rolling land S.W.slope , soil clay and gravel making a concrete mixture.IO to 20 ins .deep, coarse texture , dry, on gravel subsoil.
	Scattering growth of sage brush .
	No timber.
	Sept.24, 1910.
	The survey of this line is rejected,see letter "E"of Feb.24,191
	Aug. 23, 1910. Knowing from previous retracements that a sectional correction line will be necessary ,
	At 9 h 3 m a m l m t , l set off 38°18' on the lat. arc; 11° 37'N.on the decl.arc; and determine a meridian with the solar at the cor. of secs. 7,12,13 and 18,on E.bdy. of the Tp. here-to-fore described
	Thence l run
	West on a sectional correction line bet. secs. 12 and 13
	Ascend over stony broken mts. land through scattering cedar and pinion timber.
7 00	Spur 300 ft. above sec. cor. projects S.40°W.
40 00	Set an iron post, 3 ft. long, 1 in.in dia. 26 ins. in a stone mound for 1/4 sec. cor. marked on brass cap 1/4 S 12 on N. half, S 13 on S half
	from which
	A pinion IO ins. diam. bears N.30°E.65 lks. dist. marked 1/4 S 12 B T ,
	A cedar IO ins. diam. bears S.79°E. 35 lks. dist. marked 1/4 S.13 B T
68 00	Mouth of draw 850 ft. below spur drains S.50°W.
80 00	Set an iron post, 3 ft.long, 2 ins. dia. 24 ins. in the ground for the cor. of secs. 11,12,13 and 14 ,marked on brass cap
	T 29 S S 11 in NW.
	R IO W S 12 in NE.
	S 13 in SE.
	S 14 in SW. quadrant; from which
	A cedar 8 ins. diam. bears N.35°E. 36 lks. dist.

Chains. marked T29 S R IO W S.12 B T .

A pinion 9 ins. diam. bears S.42°E. 2 IO chs. dist.

marked T.29 S R IO W S 13 B T

A cedar 7 ins. diam. bears S.8°W. 2 29 chs.dist.

marked T 29 S R IO W S 14 B T .

A pinion 5 ins. diam. bears N.37°W. 1 39 chs. dist.

marked T 29 S R IO W S 11 B T.

Land , mountainous,

Soil, very stony and gravelly,

Timber cedar and pinion.

Aug . 23 ,1910. At this cor. I set off 11°34'N.on the decl.arc; and at 12.h 3 m 1 m t , observe the sun on the meridian the resulting lat. is 38°18' .

S.0°17'E on random line bet. secs.13 and 14.

40 00 Set temp. 1/4 sec. cor.

79 88 Intersect N.bdy. of sec. 24 ,1 81 chs. S.89°52'E. of the cor. of secs. 13,14,23 and 24,here-to-fore described.

Set an iron post, 3 ft.long, 2 ins. dia. 24 ins. in the ground for closing cor. of secs. 13 and 14 ,marked on brass cap

C C T 29 S R IO W S 23 S 24 on S.half.

T 29 S S14 in NW.

R IO W S 13 in NE. quadrant, and raise a mound of stone 2.ft. base 1 1/2 ft. high N.of cor.Pits impracticable, I destroy all marks on cor. of secs.13,14,23 and 24that pertain to secs.13 and 14.

Thence I run

N.0°17'W.on a true line bet. secs. 13 and 14.

Ascend over rolling land along foot of mts. West slope.

8 40 Wash 20 lks. wide 5 ft. deep drains N.80°W.

25 00 Enter scattering cedar and pinion timber bears N.25°W. and S.25°E.

26 15 Wash 30 lks. wide 7 ft. deep drains S.80°W.

39 00 Wash 25 lks. wide5 ft.deep drains S.45°W.

39 94 Set an iron post, 3 ft.long, 1 in. in dia. 26 ins. in the

Chains.	
	ground for 1/4 sec. cor. marked on brass cap, 1/4 S 14 on W half, S 13 on E.half, from which
	A cedar 7 ins. diam. bears N.53°E.56 lks. dist. marked 1/4 S 13 B T .
	A cedar 6 ins. diam. bears S.47°W. 94 lks. dist. marked 1/4 S 14 B T .
50 15	Wash 50 lks. wide 10 ft. deep drains W.
69 00	Mouth of draw drains S.50°W.
79 88	The cor. of secs. 11,12,13 and 14,
	Land , rolling
	Soil, gravelly and stony on gravel base ,
	Timber scattering cedar and pinion.
	Aug. 23, 1910

	Aug. 25,1910.At 9 h 2 m a m l m t , I set off 38°18' on the lat. arc; 10°56'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
	West on a sectional correction line bet . secs. 11 and 14
	Descend gently over rolling land W. slopethrough scattering cedar and pinion timber.
17 00	Road Minersville to Cave Mine bears N.and S.
19 00	Wash 30 lks. wide 6 ft. deep drains S.40°W.
23 00	Wash 20 lks. wide 5 ft. deep drains S.35°W.
28 60	Wash 35 lks. wide 7 ft. deep drains S.35°W.
40 00	Set an iron post, 3 ft.long 1 in. in dia. 26 ins. in the ground for 1/4 sec. cor. marked on brass cap 1/4 S 11 on N. half , S 14 on S half, from which
	A cedar 7 ins. diam. bears N.84°W.5 43 chs.dist. marked 1/4 S 11 B T
	A pinion 8 ins. diam. bears S.15°E. 1 81 chs. dist. marked 1/4 S 14 B T
46 00	Leave scattering cedar and pinion timber bears N45°W.and S.45°E.
53 00	Wash 20 lks. wide 4 ft.deep drains S.60°W.
75 75	Wash 15 lks. wide 3 ft. deep drains. S.50°W.

Chains.	
80 00	Set an iron post, 3 ft.long, 2 ins. dia. 24 ins. in the ground for cor. of secs. IO II I4 and 15 ,marked on bras cap ,
	T 29 S S IO in NW.
	R IO W S 11 in NE.
	S 14 in SE.
	S 15 in SW.quadrant , and raise a mound of stone 2 ft.base 1 1/2 ft. high W.of cor. Pits impracticable.
	Land , rolling S W slope ,
	Soil,gravelly and stony ,coarse texture ,dry, on gravel base or subsoil.
	Timber scattering cedar and pinion.

	S.0°17'E.on a random line bet. secs.14 and 15 .
40 00	Set temp.1/4 sec. cor.
77 69	Intersect N.bdy. of sec. 23 ,2 64 chs. S.88°43'E. of cor. of secs. 14,15,22 and 23, here-to fore described
	Set an iron post, 3 ft.long, 2 ins. in dia. 24 ins. in the ground for closing cor. of secs. 14 and 15,marked on brass cap,
	C C T 29 S R IO W S 22 S23 on S.half,
	T 29 S S 15 in Nw.
	R IO W S 14 in NE.quadrant , dig pits 24 X 18 X 12 ins. crosswise on each line E.and W.3 ft. and N.of post 7 ft. dist. and raise a mound of earth 4 ft. base 2 ft. high N/of cor.
	I destroy all marks on cor. of secs.14,15,22 and 23 that pertain to secs. 14 and 15.
	Thence I run
	N.0°17'W. on a true line bet. secs. 14 and 15, Over gently rolling land W.slope.
13 75	Wash 25 lks. wide 5 ft.deep drains. S.70°W.
37 69	Set an iron post, 3 ft. long, 1 in. in dia. 26 ins. in the ground ,for 1/4 sec. cor. marked on brass cap 1/4 S 15 on W half S 14 on E.half, ,dig pits, 18 X 18 X 12 ins. N.and S.of post,3 ft.dist. and raise a mound of earth 3 1/2ft.base 1 1/2 ft. high W.of cor.

Subdivision of T.29 S.R.IO W.

Chains.	
37 90	Wash 20 lks. wide 3 ft. deep drains S.70°W.
52 20	Wash 25 lks.wide 6 ft. deep drains S.35°W.
62 45	Wash 35 lks. wide 4 ft. deep drains S.60°W.
73 25	Wash 20 lks. wide 3 ft.deep. drains S.45°W.
77 69	The cor. of secs. IO,11,14 and 15.
	Gently rolling land W. slope /,.
	Soil ,gravelly andstony ,coarse texture ,dry ,on gravel base or subsoil,
	No timber.
	Aug. 25, 1910. At this cor. 1 set off IO°53'N. on the decl.arc; and ,at 12 h 2 m pm 1 m t , observe the sun on the meridian the resulting lat. is 38°18' Aug.25,1910.
	Sept.23, 1910. From the cor. of secs. 10,11,14 and 15.
	1 run
	West on a sectional correction line bet. secs .10 & 15.
	Descend gently over rolling land S.W.slope ,
IO 00	Enter small sage brush bears N.45°E.and S.45°W.
22 00	Wash 25 lks. wide 4 ft. deep drains. S.50°W.
40 00	Set an iron post,3 ft.long,1 in. in dia. 26 ins. in the ground for 1/4 sec. cor. marked on brass cap, 1/4 S IO on N.half, S 15 on S. 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.
62 35	Telephone line Milford to Minersville, bears N.4°3 0'W. S.4°30'E.
62 75	Road Milford to Minersville bears N.4°W.and S.4°E.
79 50	Road Milford to Minersville bears N. and S.IO°E.
82 88	Intersect E.bdy. of sec.16 ,3 71 chs. S.0°28'W.of the cor of secs. 9,IO,15 and 16, here-to fore described
	Set an iron post, 3 ft.long, 2 ins.in dia.24 ins. in the ground for closing cor. of secs.IO and 15, marked on brass cap ,
	T 29 S R IO W on N half
	S IO in NE.
	S 15 in SE. quadrant,

Subdivision of T.29 S.R.10 W.

Chains. C C S 9 S 16 on W.half.

dig pits ,24 X 18 X 12 ins. crosswise on each line N. and S.3 ft.and E. of post 7 ft. dist. and raise a mound of earth 4 ft. base 2 ft. high E.of cor.

I destroy all marks on cor.of secs. 9,10,15 and 16 that pertain to secs. 10 and 15.

Land gently rolling S W slope , Soil on E.25 00 chs. gravelly ,coarse texture ,dry, on gravel base or subsoil; W.55 88 chs. sandy loam 10 to 20 ins. deep ,medium texture , dry, on clay subsoil. scant growth of sage brush ,

No timber.

From the cor.of secs .11,12,13 and 14 .

1 run

N.0°17'W.bet. secs. 11 and 12 .

Descend along foot of mountain through scattering cedar and pinion timber,

30 00 Wash 50 lks. wide 10 ft. deep drains S.80°W.

35 00 Road Minersville to Cave Mine bears N45°E.and S.45°W.

40 00 Set an iron post, 3 ft.long, 1 in. in dia. 26 ins.the ground for 1/4 sec. cor. marked on brass cap 1/4 S 11 on W.half S 12 on E.half, from which

A cedar 10 ins. diam. bears S.64°E. 55 lks. dist. marked 1/4 S 12 B T

A cedar 8 ins. diam. bears N.77°W.50 lks. dist. marked 1/4 S 11 B T

From this 1/4.sec. cor. the S.W.cor. of W.Harris house bears N.50°30'E.20 82 chs.dist.

54 65 Road Milford to Cave Mine bears E.and W.

55.00 Point of spur and S.side of Wash near Mouth of Cave canyon bears E.& W.

57 50 Bottom of wash from Cave Canyon 125 ft.deep drainsW.

77 50 Point of Spur 300 ft. above wash projects W.

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,marked on brass cap

Chains.

T 29 S S 2 in NW.

R IO W S 1 in NE.

S 12 in SE.

S 11 in SW. quadrant , from which

A cedar 11 ins. diam. bears N.46°E.88 lks. dist.
marked T 29 S R IO W S 1 B T.

A cedar 9 ins. diam. bears S.7°E.55 lks. dis t.
marked T 29 S R IO W S 12 B T

A cedar IO ins. diam. bears S.30°W.69 lks. dist.
marked T 29 S R IO W S 11 B T.

A cedar 12 ins. diam. bears N.20°W. 99 lks. dist.
marked T 29 S R IO W S 2 B T

S.55 chs. rolling land W.slope ; soil gravelly and stony coarse texture , dry, on gravel base . N.25 chs. broken and hilly nearly solid porphyry and other stone. Timber scattering cedar and pinion.

Sept,23, 1910 . At this cor. 1 set off 0 ° 3' N on the d decl.arc; and, at 11 h 53 m l m t , observe the sun on the meridian the resulting lat. is 38° 19'.

East on a random line bet. secs. 1 and 12.

40 00 Set temp.1/4 sec. cor.

79 90 Intersect E.bdy. of Tp. 160lks. N.0°16'W. of cor. of secs 1 ,6,7 and 12. here-to-fore described.

Thence 1 run

N.89°53'W. on a true line bet. secs. 1 and 12 .

Descend gently along S.slope stony mts. land through cedar and pinion timber.

20 50 Spur on S. slope 100 ft. below sec.cor. projects S.

23 50 Small draw drains S.

39 95 Set an iron post, 3 ft. long, 1 in. in dia. 26 ins. in the ground for 1/4 sec.cor. marked on brass cap.

1/4 S 1 on N. half ,S 12 on S.half. from which

A cedar 16 ins. diam. bears N.8°E.2.16 chs.dist.
marked 1/4 S 1 B T

Subdivision of T.29 S.R.22 E.

Chains.	
	A cedar 8 ins. diam. bears S.51°E. 1 00 chs. dist. marked 1/4 S12 B T
	From this 1/4 sec. cor. a small spring of fresh water in the bottom of Cave Canyon bears S. 40°20'W.25 chs.dist.
75 50	Spur 100 ft. above 1/4 sec. cor. projects S.55°W.
79 90	The cor . of secs. 1,2,11 and 12.
	Land, mountainous,
	Soil , stony and gravelly on stone and gravel base.
	Timber cedar and pinion.
	Sept. 23, 1910.
	Sept. 24, 1910. From the cor. of secs. 1,2,11 and 12 .
	1 run
	N.0°17'W. on a random line bet. secs. 1 and 2.
40 00	Set temp.1/4 sec.cor.
84 95	Intersect N. bdy. of Tp. 7 lks.N.89°50'E. of cor. of secs. 1,2,35 and 36, here-to- fore described.
	Thence 1 run
	S0°20'E. on a true line bet. secs. 1 and 2.
	Ascend over stony mts. land ,through scattering cedar and pinion timber.
9 00	Spur 300 ft. above sec.cor. projects W.
21 25	Draw 200 ft. below spur drains W.
43 00	Spur 275 ft. above draw projectsW.
44 50	Draw 100 ft. below spur drains W.
44 95	Set an iron post, 3 ft. long, 1 in. in dia. 26 ins. in the ground for 1/4 sec.cor. marked on brass cap. 1/4 S 2 on W half S 1 on E.half, from which
	A pinion 10 ins. diam. bears N.27°E.92 lks. dist. marked 1/4 S 1 B T
	A cedar 16 ins. diam. bears S.58°W. 1 12 chs. dist. marked 1/4 S 2 B T
57 00	Spur 275 ft. above draw projects W.
75 00	Draw 250 ft. below spur drains W.
84 95	The cor. of secs. 1,2,11 and 12 , 275 ft.above draw.
	Land broken and hilly,
	Soil very stony and gravelly.

Subdivision of T.29 S.R.IO W.

Chains.	Timber scattering cedar and pinion. Sept .24,1910.
	Aug. 25, 1910. From the cor. of secs. IO,11,14 and 15, 1 run N.0°17'W. bet. secs. IO and 11. Over gently rolling land W. slope.
5 00	Enter small sage brush bears N.45°E.and S.45°W.
9 00	Small wash drains S 50°W.
18 50	Small wash drains S.35°W.
36 90	Small wash drainsS.60°W.
4o 00	Set an iron post, 3 ft. long, 1 in. in dia. 26 ins. in the ground for 1/4 sec. cor. marked on brass cap. 1/4 S IO on W.half, S 11 on E half, and raise a meund of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits im practicable,
66 30	Road Milford to Cave Mine bears E.and N.45°W.
68 00	Wash 50 lks. wide 9 ft. deep drains N.75 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 IO and 11 ,marked on brass cap.
	T 29 S S 3 in NW.
	R IO W S 2 in NE.
	S 11 in SE.
	S 12 in SW. quadrant , from which
	A lone cedar 6 ins. diam. bears N.12°W. 1 79 chs. dist. marked T 29 S. R IO W S 3 B T
	A lone cedar 8 ins. diam. bears N.62°W. 2 50 chs. dist. marked T 29 S R IO W S 3 B T
	and raise a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable. No other trees within limits. Land gently rolling ; soil , gravelly and stony ,coarse texture ,dry, on gravel base , medium growth of small sage brush . No. timber. Aug. 25,1910.

Chains.	
	Sept.23,1910. At 2 h 53 m p m l m t , I set off 38°19' on the lat.arc; 0°02' 'N. on the decl. arc and determine a meridian with the solar at the cor . of secs. 2,3,IO & 11
	Thence I run
	East on a random line bet. secs. 2 and 11,
40 00	Set temp. 1/4 sec. cor.
80 26	Intersect N.and S. line 1916. S0°17'E.of cor. of secs. 1,2,11 and 12.
	Thence I run
	S.89°52'W. on a true line bet. secs. 2 and 11,
	Descend over stony mts..land through scattering cedar and pinion timber.
20 00	Foot of mt. 300 ft. below sec. cor. bears N.and S. descend gently over rolling land W.slope.
40 13	Set an iron post , 3 ft. long, 1 in. in dia. 26 ins. in the ground for 1/4 sec. cor. marked on brass cap.
	1/4. S 2 on N. half, S 11 on S .half. from which,
	A cedar 6 ins. diam. bears N.31°E. 1 26 chs. dist. marked 1/4 S 2 B T
	A cedar 8 ins. diam. bears S.66°W. 2 59chs. dist. marked 1/4 S 11 B T
44 00	Leave scattering cedar and pinion enter sage brush bears N.30°W and S.30°E.
80 26	The cor. of secs. 2,3,IO and 11,
	E.20 chs. rolling mts. land stony ; W.60 26 chs. gently rolling W.slope ;soil gravelly and stony coarse texture, dry, on gravel base .
	Timber ,scattering cedar and pinion , undergrowth sage brush .
	Sept. 23,1910/
	From the cor. of secs.2,3,IO and 11 .
	I run.
	West on a true line bet. secs .3 and IO .
	Descend gently over rolling land through scattering sage brush.
9 50	Road Milford to Cave Mine bears N.45°W.and S.45°E.

Chains.	
40 00	Set an iron post, 3 ft. long, 1 in. in dia. 26 ins. in the ground for 1/4 sec. cor. marked on brass cap, 1/4 S 3 on N.half, S IO on S. half, and raise a mound of stone 2 ft. base 1 1/2 ft. high N. of cor. Pits impracticable.
42 00	Small wash drains N.40°W.
61 30	Road Milford to Minersville, bears N and S.
68 27	Telephone line Milford to Minersville bears N.4°30'W. and S.4°30'E.
82 17	Intersect E.bdy. of sec. 9 , 5 25 chs. S.0°20'W.of the cor . of secs. 3,4,9 and IO ,here-to-fore described. Set an iron post,3 ft. long,2 ins. in dia. 24 ins. in the ground for closing cor. of secs. 3 and IO marked on brass cap T 29 S R IO W on N.half. S 3 in NE. S IO in SE. quadrant C C S 4 S 9 on W.half. dig pits 24 X 18 X 12 ins. crosswise on each line N.and S.3 ft. and E.of post ,7 ft. dist. and raise a mound of earth 4 ft. base 2 ft. high E. of cor. I destroy all marks on cor. of secs. 3,4,9 and IO that pertain to secs. 3 and IO . Gently rolling land W.slope ,; soil light sandy loam 4 to 20 ins .deep , medium texture,dry , with some gravel and stones , on gravel base or subsoil, Medium growth of sage brush, No timber.

	N.0°17'W.on a random line bet. secs. 2 and 3,
40 00	Set temp. 1/4 sec. cor.
85 02	Intersect N. bdy.of Tp. 5 lks. N.89°50'E.of cor. of secs. 2,3,34 and 35 ,which is a sand stone broken off at the top of the ground , I destroy all traces of the old cor. and re establish it at same point as follows, Set an iron post, 3 ft. long, 3 ins. in dia. 24 ins. in

Chains.	
	the ground for cor. of secs. 2,3,34 and 35 ,marked on brass cap,
	T 28 S S 34 in NW.
	R IO W S 35 in NE.
	R IO W S 2 in SE.
	T 29 S S 3 in SW. quadrant, and raise a mound of stone 2 ft. base 1 1/2 ft. high W.of cor. Pits impracticable.
	Thence 1 run
	S.0°19'E.on a true line bet. secs. 2 and 3.
	Ascend gently over rolling land sloping N.W .through sage brush.
12 00	Small wash drains N. 40°W.
45 02	Set an iron post, 3 ft. long , 1 in. in dia. 26 ins. in the ground for 1/4 sec. cor. marked on brass cap
	1/4 S 3 on W.half, S 2 on E.half. and raise a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits im practicable.
53 00	Small wash drains W.
63 50	Small wash drains N.70°W.
85 02	The cor. of secs. 2,3, IO and 11.
	Land , gently rolling N.W. slope ; soil sandy loam with some gravel and stones , IO to 16 ins. deep, medium texture dry, on gravel base .
	Medium growth of sage brush .
	No timber.
	Aug,. 25 , 1910.

General Description.

This fractional township contains rolling and mountainous land, and the soil ranges from sandy loam to nearly solid stone . The soil on the rolling land is capable of producing small crops of wheat or rye. without irrigation This fractional Tp. is exposed to hot south winds very detrimental to vegetation.

Scrubby cedar and pinion timber grows scattering on the mts. and foot hills.

There is one mine near the center of sec. 12 ,known

as " The Cave Mine" (Not working at the present time) which has produced iron ore in paying quantities some silver and gold ore has also been taken from this mine. There are surface indications of mineral in the N.1/2 of sec. 13 ,in secs. 1 and in the east 1/2 of 2 ,and in sec. 12.

The only water in this fractional township is a small spring in sec.12 ,and in the Cave Mine which does not run to the surface.

There are no permanent settlers in this fractional township ,

The improvements of W.Harris which consist of frame house and a hen house are valued at about $300 00.

John W. Dougall
U.S.Transitman.

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FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

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

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

.....

showing the respective capacities in which they acted:

....., *Chainman.*

....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted .....

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

.....

.....

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

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

For final affidavit of Daniel and Garn, as chainman and ..... *Chainman.*

Whitmore as moundman see book "H" T. 27 S., R. 9 W. ....., *Chainman.*

For final affidavit of Sharp as flagman, see book "F" T. 28 S., ... *Moundman.*

R. 9 W. ....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

.....

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

SEAL

.....

.....

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FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, ..., United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from ..... United States Surveyor General for ....., bearing date of the ..... day of ....., 190 , I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for ....., the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of .....

For final affidavit of Transitman see book "H" T. 27 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; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

.....

United States Deputy Surveyor.

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

SEAL

.....

.....

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, Sept. 16, 1913.

The foregoing field notes of the survey of retracement of E. bdy. and subdivision; and survey of the subdivisional lines of Township No. 29 South, Range No. 10 West of the Salt Lake Base and Meridian, Utah,

executed by John W. Dougall under his Special Instructions dated August 6, 1910 ~~contract No.~~ ..... ~~dated~~ ..... ~~190~~ , 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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4—079.

BOOK A-381
B.

FILED
FEB 23 1911

FIELD NOTES

OF THE SURVEY OF THE

NORTH BOUNDARY

TOWNSHIP NO. 29 SOUTH, RANGE NO. 9 WEST

Of the SALT LAKE BASE AND *Meridian,*

UTAH

AS SURVEYED BY

JOHN W. DOUGALL, *United States* ~~Deputy Surveyor~~ Transitman,

Under his ~~*Contract*~~ Assignment Group *No.* 5, *dated* August 6, 1910, ~~1890~~

Survey commenced Sept. 12 1910, ~~1890~~

Survey completed Sept. 20 1910, ~~1890~~

6—161

N. Bdy. 6 03 25
Lelon. 3 60

BOOK A-381

NAMES AND DUTIES OF ASSISTANTS.

George W. Daniel, Chainman
Edwin Garn, Chainman
Willis Whitmore, Moundman
Fred. Sharp, Flagman

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BOOK A-381

INDEX DIAGRAM.

Township 29 South, *Range* 9 West

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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

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PRELIMINARY OATHS OF ASSISTANTS.

WE, George W. Daniel and Edwin Gann 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 N.bdy.T.29 S.R.9 W.; E.& N.bdrs.T.28 S.R.9 W.; and E.& N.bdrs.T.27 S. R.9 W., of the S.L.B.& M., Utah.

George W. Daniel, *Chainman.*

Edwin Gann, *Chainman.*

Subscribed and sworn to before me this 17th day of August, 1900

SEAL

Stanley Staley
Notary Public

~~WE,~~ I, Willis Whitmore ~~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 N.bdy.T.29 S.R.9 W.; E.& N.bdrs.T.28 S.R.9 W.; and E.& N.bdrs.T.27 S. R.9 W.of the S.L.B.& M., Utah.

Willis Whitmore, *Moundman.*

, *Moundman.*

Subscribed and sworn to before me this 17th day of August, 1900

SEAL

Stanley Staley
Notary Public

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

, *Axman.*

, *Axman.*

~~Subscribed and sworn to before me this~~ 17th ~~day of August, 1900~~

SEAL

Stanley Staley
Notary Public

I, Fred Sharp, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of N.bdy.T.29 S.R.9 W.; E.& N.bdrs.T.28 S.R.9 W.; and E.and N.. bdrs.T.27 S.R.9 W.of the S.L.B.& M., Utah.

Fred Sharp, *Flagman.*

Subscribed and sworn to before me this 17th day of August, 1900

SEAL

Stanley Staley
Notary Public

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North Boundary of T29S R9W.

chains	
	Survey commenced Sept 12, 1910, and executed with a W&L E Gurley light mountain transit with solar attachment.
	For a complete description of the instrument see Book A.
	Knowing that my instrument is in perfect adjustment by testing on same line by A. M and P. M observations with the solar.
	Sept. 12, 1910: At 8 h 56 m a.m., l.m.t. I set off 38°20' N on the lat. arc; 4°22' N on the decl. arc; and determine a true meridian with the solar at the cor. of Tps 28 & 29 S., Rs. 8 & 9 W.
	Corner before described.
	Thence I run
	West on a random line between secs. 1 & 36.
40.00	Set temp. 1/4 sec. cor.
	Sept. 12, 1910: At this cor. I set off 4°19' N on the decl. arc; and at 11 h 56 m a.m. l.m.t. observe the sun on the meridian; the resulting lat. is 38°20' N.
80.00	Set temp. cor. for secs. 1, 2, 35 & 36.
	Rained till farther progress was impossible. Sept. 12, 1910.
	Sept. 15, 1910. At 8 h 55 m a.m. l.m.t. I set off 38°20' N on the lat. arc; 3°13' N on the decl. arc; and determine the true meridian with the solar at the temp. cor. of secs. 1, 2, 35 & 36.
	Thence I run
	West on a random line between secs. 2 & 35.
40.00	Set temp. 1/4 sec. cor.
80.00	Set temp. cor. for secs. 2, 3, 34 & 35.
	Sept. 15, 1910.

North Boundary of Tp. 29 S R 9 W.

chains	
	Sept. 16, 1910. At 8 h 55 m a.m. l.m.t. I set off 38° 20' N on the lat. arc; 2° 50' N. on the decl. arc; and determine the true meridian with the solar at the temp. cor. of secs. 2, 3, 34 & 35.
	Thence I run
	West on a random line between secs. 3, & 34.
40.00	Set temp. 1/4 sec. cor.
	Sept. 16, 1910. At 1 h 55 m p.m. l.m.t. I set off 38° 20' N on the lat. arc; 2° 45' N on the decl. arc; and determine the true meridian with the solar at the temp. 1/4 sec. cor. between secs. 3 & 34.
80.00	Set temp. cor. for secs, 3, 4, 33 & 34.
	Sept. 16, 1910.
	Sept. 17, 1910. At 7 h 55 m a.m. l.m.t. I set off 38° 20' N on the lat. arc; 2° 25' N. on the decl. arc; and determine the true meridian with the solar at the temp. corner for secs. 3, 4, 33 & 34.
	Thence I run
	West on a random line between secs. 4 & 33.
40.00	Set temp. 1/4 sec. cor.
80.00	Set temp cor. for secs. 4, 5, 32 & 33.
	West on a random line between secs. 5 & 32.
40.00	Set temp. 1/4 sec. cor.
80.00	Set temp. cor. for secs. 5, 6, 31 & 32.
	West on a random line between secs. 6 & 31.
40.00	Set temp. 1/4 sec. cor.
83.25	Intersect W. bdy. of Tp. 3. 60 chs. S. of the cor. of Tps. 28 & 29 S. Rs. 9 & 10 W.
	Cor. before described.

North Boundary of T 29 S R 9 W.

chains	
	Abandon this random line and begin at cor. of Tps. 28 & 29 S, Rs. 9 & 10 W.
	Run
	East on a true line between secs 6 & 31.
	Over mountainous land, along the top of spur projecting west, ascend.
20.00	Enter pitch pine and cedar timber, bears N.E, & S.W.
36.00	Leave top of spur which projects N. 55° W.
	Thence descend gently along N. slope.
113.25	Set an iron post 3 ft. long, 1 in. diam 26 in. in ground, for 1/4 sec. cor. marked on brass cap, 1/4 S 31, on N. half; S 6 on S. half, from which
	A pitch pine tree, 16 in. diam. bears N 73° E, 70 lks dist., marked 1/4 S 31 B.T.
	A pitch pine tree, 20 in diam. bears S 10° W, 56 lks. dist. marked 1/4 S 6 B.T.
	Sept. 1st, 1910. At this cor. I set off 2° 24' 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 38° 20' N.
58.00	Top of spur projects N; descend.
68.00	Leave pitch pine and cedar timber
	Enter scattering pine timber bears N.W & S.E.
75.00	Enter dense mahogany underbrush and scattering aspen timber, bears N. & S.
83.25	Set an iron post 3 ft. long, 3 in. diam. 24 in. in ground, for cor of secs. 5, 6, 31, & 32, marked on brass cap
	T 28 S S 31 in N.W
	R 9 W S 32 in N E
	R 9 W S 5 in S E
	T 29 S S 6 in S W, quadrant, from which
	A pine tree, 6 in. diam. bears N 54° E, 97 lks. dist. marked T 28 S R 9 W S 32 B.T.

North Boundary of T29S R9W.

A pine tree, 4 in. diam. bears S 30° E, 2.00 chs. dist. marked T29S R9W S5 B.T.
A pine tree, 5 in. diam. bears S 3° W, 3.00 chs. dist. marked T29S R9W S6 B.T.
An aspen tree, 12 in. diam. bears N 43° W, 2.03 chs. dist. marked T28S R9W S31 B.T.
This cor. is 300 ft. below spur.
This whole mile is broken mountainous land; drains N.W
Ridges; light, poor, sandy loam washed on slopes; stony draws; subsoil, decomposing shales and granite.
Timber; scattering pitchpine, pine, cedar and aspen.
Undergrowth, mahogany.
Mountainous land, 83.25 chs.

Sept. 17, 1910. At 1 h 55 m. p.m. l.m.t. I set off 38° 20' N. on the lat. arc; 2° 22' N. on the decl. arc; and determine the true meridian with the solar at the cor. of secs. 5, 6, 31 & 32
Thence I run
East on a true line between Secs. 5 & 32
Over mountainous land through scattering pine and aspen timber and mahogany underbrush, descend gently.
4.50 Draw drains N 10° W, 100 ft below the sec. cor. ascend.
18.00 Spur projects N 40° W, 200 ft above draw, descend.
Leave scattering pine and aspen timber and mahogany underbrush.
Enter scattering, scrubby pitch pine & cedar, bears N.W, & S.E.
26.00 Draw drains N 45° W, 150 ft. below spur, ascend.

North Boundary of Tp 29 S R 9 W.

chains	
40.00	Set an iron post 3 ft long 1 in. diam., 26 in. in ground for 1/4 sec. cor. marked on brass cap 1/4 S 32 on N. half, S 5 on S. half, from which
	A pitch pine tree, 10 in. diam. bears N 9° W, 57 lks. dist. marked 1/4 S 32 B. T.
	A pitch pine tree, 16 in. diam. bears S 65° W, 19 lks. dist. marked 1/4 S 5 B.T.
42.25	Spur projects N 40° W, 500 ft. above draw descend.
	Leave cedar and pitch pine and enter pine timber, bears N.W. & S.E.
58.50	Draw drains N. 400 ft below spur. ascend gently.
80.00	Set an iron post 3 ft. long, 3 in. diam. 24 in. in ground, for cor. of secs. 4, 5, 32 & 33 marked on brass cap
	T 28 S S 32 in N.W.
	R 9 W S 33 in N. E.
	R 9 W S 4 in S. E.
	T 29 S S 5 in S.W. quadrant from which
	A pine tree, 6 in. diam. bears N 17° E, 28 lks dist. marked T 28 S R 9 W S 33 B.T.
	A pine tree, 8 in. diam. bears S 20° E, 90 lks. distant marked T 29 S R 9 W S 4 B.T.
	A pine tree, 7 in. diam. bears S 15° W, 85 lks. dist. marked T 29 S R 9 W S 5 B T.
	A pine tree, 14 in. diam. bears N 74° W, 52 lks dist. marked T 28 S R 9 W S 32 B T.
	This cor. is 200 ft. above draw.
	This whole mile is rough mountainous land, covered with loose stones and slide rock; drains N. W.
	Draws covered with loose stones

North Boundary of T29S R9W.

Chains	
	Very little clay soil on ridges; rocky base. Timber, scattering pine, pitch pine, cedar and aspen. Undergrowth, mahogany. Mountainous land, 80.00 chs.
	Sept. 17. 1910.
	Sept. 18. 1910. At 7 hr 54 m. a. m. l. m. t. I set off 38°20' N on the lat. arc; 2°05' N on the decl. arc; and determine the true meridian with the solar at the cor. of secs. 4, 5, 32 & 33.
	Thence I run
	East on a true line between secs. 4 & 33. Over mountainous land through scattering pine timber, ascend.
1.00	Top of spur projects N. 50 ft. below sep. cor. descend.
18.00	Enter heavy pine timber, bears N. 15° W; S. 15° E.
20.00	Draw drains N 50° W, 200 ft below spur, ascend.
27.50	Leave heavy pine, and enter scattering pine timber, bears N 30° W; S 30° E.
40.00	Set an iron post 3 ft. long, 1 in. diam. 26 in. in ground, for 1/4 sec. cor. marked on brass cap 1/4 S 33 on N. half; S 4 on S. half from which
	A pine tree, 12 in. diam. bears N. 67° W, 95 lks. dist. marked 1/4 S 33 B. T.
	A pine tree, 6 in. diam. bears S 32° W, 1.30 chs. dist. marked 1/4 S 4 B. T.
43.00	Leave scattering pine; enter heavy pine and small aspen timber, bears N.W. & S.E.
50.50	Leave heavy pine and aspen; enter scattering pine bears N 30° W; S 30° E.
51.00	Ridge bears S 45° W; N 45° E, 500 ft. above draw, descend.
57.00	Head of draw drains S, 75 ft below ridge, ascend
59.00	Same ridge bears N.W. & S.E., 60 ft. above draw

North Boundary of T 29 S R 9 W.

Chains	
	draw, descend.
68.00	Leave scattering pine; enter scattering mahogany & dense manzanita underbrush.
80.00	Set an iron post 3 ft. long, 3 in. diam. 24 in. in ground for cor. of secs. 3, 4, 33 & 34, marked on brass cap T 28 S S 33 in N.W. R 9 W S 34 in N.E. R 9 W S 3 in S E T 29 S S 4 in S.W quadrant, from which a mahogany tree, 6 in diam, bears N 69° W, 58 lks disk marked T 28 S R 9 W S 33 B. T.
	No other trees suitable for marking, therefore Raise a mound of stone 2 ft base, 1½ ft. high, west of corner.
	Pits impracticable.
	This cor is 450 ft. below ridge.
	Land mountainous and broken.
	West 10.00 chs. heavy clay soil 10 to 14 in. deep on shale subsoil; East 70.00 chs. soil very stony from 2 to 5 in deep on bedrock of quartzite formation.
	Timber, pine and aspen.
	Undergrowth, mahogany & manzanita.
	Mountainous land 80.00 chs.
	East on a true line between secs. 3 & 34.
	Through scattering mahogany and dense manzanita underbrush.
18.00	Draw drains N. 300 ft. below cor. ascend.
37.00	Spur projects N 10° W, 500 ft. above draw descend.
140.00	Set an iron post 3 ft. long, 1 in. diam. 26 in. in ground, for ¼ sec. cor. marked on brass cap ¼ S 34 on N half; S 3 on S half.
	Raise a mound of stone 2 ft. base, 1½ ft. high, north of corner.
	Pits impracticable.

North Boundary of T 29 S R 9 W.

Chains	
63.25	Draw drains N 35° W, 200 ft. below spur, ascend.
64.10	The Beaver River Power Cos. line bears S 10° E; N 10° W.
64.50	Road bears N.W. & S.E. Milford to Beaver.
80.00	Set an iron post 3 ft long, 3 in. diam. 24 in. in ground for cor. of secs 2, 3, 34 & 35, marked on brass cap, T 28 S S 34 in N.W. R 9 W S 35 in N.E. R 9 W S 2 in S.E. T 29 S S 3 in S.W. quadrant. Raise a mound of stone 2 ft. base 1½ ft. high, west of corner. Pits impracticable. Whole mile is rough mountainous land covered with loose stones; drains N.W. Draws very rocky; soil, clay and gravel 4 to 8 in. deep, on subsoil of gravel and stone. No timber; undergrowth, mahogany and manzanita. Mountainous land 80.00 chains.
	Sept. 18, 1910. At this cor. I set off 2° 00' N on the decl. arc; and at 11 h 51 min. m. t. observe the sun on the meridian; the resulting lat is 38° 20' N. Thence I run East on a true line between secs. 2 & 35. Over rough mountainous land, through mahogany and manzanita underbrush.
6.00	Ridge bears N 30° E; S 30° W, 200 ft. above cor.
17.00	Head of draw drains S 10° E, 100 ft below ridge, ascend.
27.00	Spur projects S 10° E, 500 ft above draw, descend
40.00	Set an iron post 3 ft long, 1 in. diam. 26 in. in ground for ¼ sec. cor. marked on brass cap ¼ S 35 on N half; S 2 on S half.

North Boundary T29SR9W

Chains	
	Raise a mound of stone 2 ft. base, 1½ ft. high N of cor. Pits impracticable.
51.00	Draw, 350 ft. below spur drains S15°E.
80.00	Set an iron post 3 ft. long, 3 in. diam. 24 in. in ground for cor. of secs. 1, 2, 35 & 36, marked on brass cap
	T28SS35 in NW
	R9WS36 in NE
	R9WS1 in SE
	T29SS2 in SW, quadrant, from which
	a mahogany 6 in. diam. bears
	N14°W, 22 lks. dist. marked
	T28SR9WS35BT
	a mahogany, 6 in. diam. bears
	N42°E, 75 lks. dist. marked
	T28SR9WS36BT
	a mahogany 8 in. diam. bears
	S70°E, 28 lks. dist. marked
	T29SR9WS1BT
	a mahogany 10 in. diam. bears
	S14°W, 58 lks. dist. marked
	T29SR9WS2BT
	This whole mile is high & mountainous. Land drains SE. Soil, sandy 4 to 24 in. deep, on subsoil of decomposing granite. Undergrowth of mahogany and manzanita.
	No timber.
	Sept. 18, 1910

Sept. 20, 1910. At 8h 54m. a. m. l. m. t. I set off 38°20' N on the lat. arc; 1° 17' N on the decl. arc; & determine a meridian with the solar at the cor. of secs. 1, 2, 35 & 36.

Thence I run

East on true line bet. secs 1 & 36.

Over mountainous land through mahogany & manzanita underbrush, ascend

6.00	Spur 300 ft. above sec. cor. proj. S20°E, descend
	Enter oak, scattering cedar & pinion bears N & S.

North Boundary T29S R9W.

Chains.

35.00 Leave cedar & pinion bears NE & SW.
40.00 Set an iron post 3 ft. long, 1 in. diam 26 in. in ground for 1/4 sec. cor. marked on brass cap 1/4 S36 on N half; S1 on S half; raise a mound of stone 2 ft. base 1½ ft. high, N of cor.
Pits impracticable.
42.00 Spur 350 ft. below spur proj SE. descend.
68.00 Canyon 425 ft. below spur, drains S45° E. ascend.
Leave mahogany, manzanita & oak brush.
Enter pinion & cedar bears NW & SE.
80.00 Intersect the extension N of the E bdy of Tp. 3.60 chs. N of cor. of Tps. 28 & 29 S, Rs 8 & 9 W.
Set an iron post 3 ft. long, 3 in. diam. 24 in. in ground for closing cor. of Tps. 28 & 29 S R 9 W marked on brass cap
T28S on N half
T29S on S half
C C R8W S31 S6 on E half
R9W S36 in NW
R9W S1 in SW, quadrant; from which
A cedar, 7 in. diam. bears
N 20° W, 72 lks. dist. marked
T28S R9W S36 B T
A pinion 14 in. diam. bears
S66° W, 25 lks. dist. marked
T29S R9W S1 B T
I destroy all marks re-established on Tp cor. pertaining to Tps 28 & 29 S R 9 W.
This cor. is located on top of a spur, 350 ft above draw, which proj. S15° E.
This mile is high mts. land, drains S E.
Practically no soil, surface covered with slide rock & loose granite
Undergrowth, oak, mahogany & manzanita
Timber, pinion & cedar.
Sept 20, 1910. At this cor. I set off 1° 14' N on the decl. arc; & at 11 h 54 m. a.m. l. m. t. observe the sun on the meridian the resulting lat is 38° 25' N.

Sept. 20-1910

For general description see notes of the subdivision of this township

John W. Dougall
U. S. Deputy Surveyor

B

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 oath of assistants see book "G", *Chainman.*

T. 27 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

6—151

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, ..., United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from ..... United States Surveyor General for ....., bearing date of the ..... day of ....., 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 "G" T. 27 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, Sept. 16, 1913.

The foregoing field notes of the survey of the North Boundary of Township No. 29 South, Range No. 9 West of the Salt Lake Base and Meridian, Utah,

executed by John W. Dougall under his ~~contract No.~~ special instructions, dated August 6, 1910, ~~19XX~~, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Thomas Bruce

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.

6—151

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Page

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Page

4—070.

BOOK A-381

C.

FILED
MAR 9 1911

FIELD NOTES

OF THE SURVEY OF THE

PART OF THE SUBDIVISION

OF

TOWNSHIP No.29 SOUTH RANGE No. 9 WEST.

AND

RETRACEMENT OF

PART OF SUBDIVISION AND

PART OF EAST BOUNDARY OF T. 29 SOUTH, RANGE NO.9 WEST

Of the SALT LAKE BASE AND MERIDIAN *Meridian,*

STATE OF UTAH

AS SURVEYED BY

JOHN W. DOUGALL, *United States* Transitman. ~~*Deputy Surveyor,*~~

Under his ~~*Contract No.*~~ Assignment No. GROUP No.5, *dated* AUG.6.1910. ~~*190*~~

Survey commenced AUG.26.1910, ~~*190*~~

Survey completed SEPT.22.1910, ~~*190*~~

4—111

Petr. E. Bly. 1-00-20
R.T.K. Sub. 5-61-90
Rec. 3 01 95
Subs. 17 45.75
Sales 18 33

BOOK A-381

NAMES AND DUTIES OF ASSISTANTS.

George W. Daniel	Chainman,
Edwin Garn	Chainman,
Willis Whitmore,	Moundman,
Fred Sharp,	Flagman,

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For preliminary affidavits see Book "A" T.29 S.R.10 W.

BOOK A-381

INDEX DIAGRAM.

Township 29 S., *Range* 9 W.

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

Meanders Page

C—161

PRELIMINARY OATHS OF ASSISTANTS.

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

.....

..... *Chainman.*

..... *Chainman.*

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

SEAL

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

.....

..... *Moundman.*

..... *Moundman.*

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

SEAL

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

.....

..... *Axman.*

..... *Axman.*

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

SEAL

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

..... *Flagman.*

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

SEAL

6—151

Retracement of Part of Sub. T29S R9W.

Journal	Survey commenced Aug. 26, 1910 & executed with a W. & L. E. Gurley light mountain transit, no number with solar attachment. For complete description of instrument see Book A.
	Knowing that my instrument is in perfect adjustment by testing on same line by A. M. & P. M. observations with the solar,
	Aug. 26, 1910. At 10 h 02 m. a. m. L. m. t. I set off 38° 17' N on the lat. arc; 10° 34' N on the decl. arc; & determine a meridian with the solar at the cor of secs. 13, 18, 19 & 24 on W. bdy of Tp. heretofore described.
	Thence I run
	S 89° 54' E on retracement line bet. secs. 18 & 19. Over rolling mountainous land, through scattering cedar & pinion timber.
18.00	Spur 150 ft. above cor. Prog. S 10' W
28.00	Draw 200 ft. below spur draws S.
38.00	Point of spur 100 ft. above draw Prog. S 45° W.
39.80	Fall 70 lks N of 1/4 sec. cor. which is a limestone 10x7x6 in above ground, firmly set marked & witnessed as described by the surveyor general.
	Therefore the course of this line is S 88° 53' E.
	Moved to cor.
	Thence I run
	S 89° 54' E on retracement line bet. secs. 18 & 19. Over rolling mountainous land through scattering cedar & pinion timber.
10.00	Draw 75 ft. below 1/4 sec. cor. draws S 45° W.
19.50	Small cabin 30 lks. N of line.
35.00	Leave scattering cedar & pinion timber bears N 45° E & S 45° W.
39.80	Fall 71 lks N of cor. of secs. 17, 18, 19 & 20 which is a quartzite stone 8x6x6 in. above ground, firmly set marked & witnessed as described by the surveyor general.
	Therefore the course of this line is S 88° 53' E.

Retracement of Part of Sub. T29SR9W.

Chains.	
	Land mountainous. Soil, stony and gravelly. Timber, scattering cedar & pinion Aug. 26, 1910. At this cor. I set off 10°33' N on the decl. arc; & at 12 h 02 m. p.m. l. m. t. observe the sun on the meridian the resulting lat. is 38°17' N.
	East on retracement line bet. secs. 17 & 20. Over mountainous land
25.20	Spur proj. S10°W. Enter scattering cedar & pinion bears N10°E & S10°W.
40.14	Fall 15 lks. N of 1/4 sec. cor. which is a limestone 12x6x4 in. above ground, firmly set marked & witnessed as described by the surveyor general. Therefore the course of this line is S89°47' E. From this 1/4 sec. cor. U. S. M. M. No 1 bears Lincoln Dist. bears S10°47' E. 65.20 chs. Moved to cor. Thence I run East on retracement line bet. secs. 17 & 20. Over mountainous land through scattering cedar & pinion timber.
29.00	Wood road bears N5°W & S5°E.
39.75	Draw 200 ft below 1/4 sec. cor drains S10°W.
40.08	Fall 21 lks S of cor. of secs. 16, 17, 20 & 21, which is a limestone 8x6x5 in. above ground firmly set marked & witnessed as described by the surveyor general. Therefore the course of this line is N89°42' E. Land, mountainous Soil, stony & gravelly Timber, scattering cedar & pinion Aug. 26, 1910.
	Aug. 29, 1910. At 9 h 01 m. a.m. l. m. t. I set off 38°17' N on the lat. arc; 9°32' N on the decl. arc; & determine a meridian with

Retracement of part of Sub T29S R9W.

Chains	
	the solar at the cor. of secs. 16, 17, 20 & 21.
	Thence I run
	S89°56'E on retracement line bet. secs. 16 & 21.
	Over mountainous land through scattering
	cedar & pinion timber.
36.00	Spur 350 ft. above cor. prog. S80°W
39.88	Fall 15 lks N of 1/4 sec. cor. which is a sandstone 8x7x6 in. above ground, firmly set marked & witnessed as described by the surveyor general.
	Therefore the course of this line is S89°43'E.
	Moved to 1/4 sec. cor.
	Thence I run
	S89°56'E on retracement line bet. secs. 16 & 21.
	Over mountainous land, through scattering
	cedar & pinion timber.
4.00	Small draw drains S.10°W
13.50	Spur 250 ft. above draw prog. S10°W.
19.00	Head of small draw drains S.
40.32	Fall 42 lks S of cor. of secs. 15, 16, 21 & 22, which is a limestone 18x10x9 in. above ground, firmly set marked & witnessed as described by the surveyor general.
	Therefore the course of this line is N89°28'E.
	Land, mountainous.
	Soil, stony & gravelly.
	Timber, scattering cedar & pinion.
	Aug. 29, 1910. At this cor. I set off 9°29'N on the decl. arc; & at 12 h 01 m. p.m. l. m. t. observe the sun on the meridian the resulting lat. is 38°17'N.
	Aug. 29, 1910
	Sept. 1, 1910. At 9 h 00 m. a. m. l. m. t. I set off 38°17'N on the lat. arc; 8°27'N on the decl. arc; & determine a meridian with the solar at the cor. of secs. 15, 16, 21 & 22.
	Thence I run
	East on retracement line bet. secs. 15 & 22.
	Over mountainous land scattering cedar

Drains	and pinion timber.
4.00	Draw 50 ft. below cor. drains S50°W.
6.25	Road, Lincoln to Adamsville bears N50°E & S50°W
36.00	Ridge 250 ft. above draw bears N. & S.
40.53	Fall 22 lks. N. of 1/4 sec. cor. which is a quartzite stone 12x7x6 in. above ground firmly set marked & witnessed as described by the surveyor general.
	Therefore the course of this line is S89°41'E.
	Moved to 1/4 sec. cor.
	Thence Drun
	East on retracement line bet. secs. 15 & 22.
	Over mountainous land through scattering cedar & pinion timber.
2.00	Small draw drains S.E.
35.00	Leave scattering cedar & pinion bears N20°E & S20°W.
36.00	Spur projects S40°W.
39.76	Fall 16 lks. S of cor. of secs. 14, 15, 22 & 23, which is a porphyry stone 12x6x4 in. above ground firmly set, marked & witnessed as described by the surveyor general.
	Therefore the course of this line is N89°46'E.
	Land, mountainous.
	Soil, stony & gravelly.
	Timber, cedar & pinion.
	Sept 1, 1910 At this cor. I set off 8°25' N on the decl. arc; & at at 12h 00m. l. m. t. observe the sun on the meridian the resulting lat. is 38°, 17' N.
	North on retracement line bet. secs. 14 & 15
	Descend over mountainous land.
10.00	Enter scattering cedar & pinion bears N20° E & S20°W
18.00	Draw, 250 ft. below sec. cor. drains N40°E.
24.00	Spur, 125 ft. above draw proj. E.
35.50	Draw, 100 ft. below spur drains E.
40.00	Intersect 1/4 sec. cor. which is a limestone

Retracement of Part of Sub. T29S R9W.

Chains

12X8X7 in. above ground firmly set, marked & witnessed as described by the surveyor general.

57.50 Road, Lincoln to Adamsville bears N 60° E & S 60° W.

80.00 Intersect the cor. of secs. 10, 11, 14 & 15 which is a trachyte stone 6X6X5 in. above ground firmly set & marked as described by the surbey or general.

from which

A cedar tree 4 in. diam bears N 51° E, 1.30 chs. dist. marked T29S R9W S11 B T

A cedar tree 18 in. diam. bears S 7° E, 31 lks. dist. marked T29S R9W S14 B T

A cedar tree 16 in. diam. bears S 27° W, 49 lks. dist. marked T29S R9W S15 B T

A cedar tree 20 in. diam. bears N 73° W, 65 lks. dist. marked T29S R9W S10 B T.

Land, mountainous

Soil, stony & gravelly

Timber, scattering cedar & pinion

Sept 1, 1910.

Aug. 31, 1910. At 2 h. 30 m. p.m. l.m.t. I set off 38° 19' on the lat arc; 8° 44' N on the decl. arc; & determine a meridian with the solar at the cor of secs. 10, 11, 14 & 15.

Thence I run

North on retracement line bet secs. 10 & 11.

Over mountainous land through scattering cedar & pinion timber.

10.00 Head of draw drains S 40° E.

20.00 Spur 175 ft. above draw proj E.

26.00 Draw 180 ft. below spur drains E.

40.00 Intersect 1/4 sec. cor. which is a quartzite stone 10X8X5 in. above ground firmly set

Retracement of Part of Sub. T29S R9W.

Chains	
	marked & witnessed as described by the surveyor general.
44.00	Spur 300 ft. above draw proj. E. Leave timber. Equ.
60.00	Draw 325 ft. below spur drains E
62.00	Dim wood road bears E & W.
81.60	Intersect cor. of secs. 2, 3, 10 & 11 which is a granite stone 10 x 4 x 4 in. above ground badly crumbled, marks nearly obliterated. I distroy all traces of the old cor. & re-establish it at same point as follows Set an iron post 3 ft. long, 2 in. diam. 24 in. in ground for cor. of secs. 2, 3, 10 & 11 marked on brass cap T 29 S S 3 in NW R 9 W S 2 in NE S 11 in SE S 10 in SW, quadrant; raise a mound of stone 2 ft. base, 1½ ft. high W of cor. Pits impracticable. Land, mountainous. Soil, gravelly & stony. Timber, cedar & pinion. Aug. 31, 1910.
	Sept. 2, 1910. At 9 h 00 m. a. m. l. m. t. I set off 38° 19' on the lat. arc; 8° 06' N on the decl. arc; & determine a meridian with the solar at the cor. of secs. 2, 3, 10 & 11. Thence I run S 89° 57' E on retracement line bet. secs. 2 & 11.
40.00	After diligent search find no trace of ¼ sec. cor.
80.30	Fall 19 lks. S of cor of secs. 1-2-11 & 12 which is a granite stone 8 x 6 x 6 in. above ground badly crumbled, marks nearly obliterated. I distroy all traces of the old cor. & re-establish it at same point as follows Set an iron post 3 ft. long 2 in. diam 24 in. in ground for cor. of secs. 1-2-11 & 12 marked on brass cap

Retracement of Part of Sub. T29S R9W.

Chains	
	T29S S2 in NW.
	R9W S1 in NE.
	S12 in SE.
	S11 in SW quadrant; from which
	A pinion 6 in. diam bears
	N 77° E, 58 lks. dist. marked
	T29S R9W S1 B T
	A pinion 16 in. diam. bears
	S 55° E, 35 lks. dist. marked
	T29S. R9W S12. B T
	A pinion 6 in. diam. bears
	S 73° W, 11 lks. dist. marked
	T29S R9W S11 B T
	A pinion 5 in. diam. bears
	N 65° W 59 lks. dist. marked
	T29S R9W S2 B T.
	Therefore the course of this line is N 89° 55' E.
	Thence I run
	S 89° 55' W on resurvey line bet secs. 2 & 11.
	Over mountainous land through cedar
	& pinion timber, descend.
20.50	Draw 500 ft. below cor. drains S.
32.00	Leave timber bears N & S.
35.00	Spur 150 ft. above draw prog. S
38.00	Draw 100 ft. below spur drains S 60° E.
40.15	Set a granite stone 16x6x4 in. 12 in.
	in ground for 1/4 sec. cor. marked 1/4 on
	N face; raise a mound of stone 2 ft. base
	1/2 ft. high N of cor. Pits impracticable.
50.00	Spur 200 ft. above draw prog. S 60° E.
58.85	Road, Milford to Beaver bears N 20° W & S 20° E.
61.30	The Beaver River Power Co's Line, Beaver
	to Milford bears N 20° W & S 20° E.
80.30	The cor. of secs. 2, 3, 10 & 11.
	Land mountainous.
	Soil, stony & gravelly.
	Timber, cedar & pinion.
	Sept 2, 1910. At the cor. of secs. 1, 2, 11 & 12 I set
	off 8° 03' N on the decl. arc; & at 12 h. 00 m

Retracement of Part of Sub. T29S R9W

Assume l. m. t. observe the sun on the meridian the resulting lat. is 38°19' N.
Thence I run
N 89°43' E on retracement line bet. secs. 1 & 12.
40.00 After diligent search find no trace of old 1/4 sec. cor.
81.65 Intersect E. bdy. of Tp. 28 lks N of cor. of secs. 1, 6, 7 & 12 which is a granite stone 12x10x5 in. above ground firmly set marked & witnessed as described by the surveyor general.
Therefore the course of this line is N 89°55' E.
Thence I run
S 89°55' W on resurvey line bet. secs. 1 & 12.
Over rolling land through cedar and pinion timber.
20.00 Leave timber bears N & S.
36.70 Enter mountainous land, ascend.
40.82½ Set a sandstone 16x6x4 in, 12 in. in ground for 1/4 sec. cor. marked 1/4 on N face; raise a mound of stone 2 ft. base, ½ ft. high N. of cor. Pits impracticable.
62.75 Spur 450 ft. above sec. cor. proj. S 10° E.
Enter cedar & pinion bears N & S.
81.65 The cor. of secs. 1, 2, 11 & 12.
Land, rolling & mountainous.
Soil, gravelly & stony.
Timber, cedar & pinion.

Sept. 2, 1910.

Sept. 3, 1910. At 9h 00m a. m. l. m. t. I set off 38°19' N on the lat. arc; 7°44' N on the decl. arc; & determine a meridian with the solar at the cor. of secs. 1, 6, 7 and 12
Thence I run
North on retracement line bet. secs. 1 & 6.
Over rolling land through scattering cedar & pinion timber.
28.00 Wash, drains S 45° E.

Retracement of East Bdy T29S R9W

Chains	
40.05	Intersect 1/4 sec. cor. which is a granite stone 10x8x5 in. above ground, firmly set marked & witnessed as described by the surveyor general.
48.00	Spur, 100 ft above 1/4 sec. cor. proj. S10°E.
52.00	Head of draw drains S20°E,
63.00	Spur 200 ft. above draw proj. S60°E.
67.50	Draw 425 ft. below spur drains S60°E.
80.20	Intersect the cor. of Tps 28 & 29 S, Rs 8 & 9 W which is a granite stone 7x7x3 in. above ground firmly set but poorly marked.

I destroy all traces of the old cor. & re-establish it at same point as follows Set an iron post 3 ft. long, 3 in. diam. 24 in. in ground for cor. of Tps. 28 & 29 S Rs 8 & 9 W marked on brass cap

T28S on N half
T29S on S half
R9W S36 in NW.
R8W S31 in NE
R8W S6 in SE
R9W S1 in SW, quadrant

Witnessed as described by the surveyor general.

Land, rolling.
Soil, clay & gravelly.
Timber, scattering cedar & juniper.

Sept. 3, 1910.

Subdivision T29S R9W.

Chains	
	Sept 7, 1910. At 2h 58m p.m. l. m. t. I set off 38°19' on the lat. arc; 6°10' N on the decl. arc; & determine a true meridian with the solar at the cor. of secs. 1, 2, 11 & 12. Knowing from previous retracements that it will be necessary to set closing corners on the N bdy of this Tp. I run N 0°01' W on true line bet. secs. 1 & 2. Over mountainous land through cedar & pinion timber, along west slope. Ascend.
29.00	Spur projects S 50° W, 300 ft. above sec. cor. descend.
39.90	Leave pinion & cedar timber; enter scrubby mahogany bears NE & SW.
40.00	Set an iron post 3 ft. long 1 in. diam. 26 in. in ground for 1/4 sec. cor. marked on brass cap 1/4 S 2 on W half; S 1 on E half; from which A pinion 12 in. diam. bears S 47° E. 65 lks. dist. marked 1/4 S 1 B T A pinion 10 in. diam. bears S 15° W, 30 lks. dist. marked 1/4 S 2 B T
44.25	Draw drains S 20° W, 200 ft. below spur, ascend.
70.00	Spur 450 ft. above draw proj. S 20° W, descend. Enter manganita underbrush.
80.00	Set temp. closing cor. for secs. 1 & 2. Sept. 7, 1910.
	Sept. 20, 1910. Continue N 0°01' W on line bet. secs. 1 & 2.
83.80	Intersect N bdy of Tp. 2 chs W of cor. of secs. 1, 2, 35 & 36, heretofore described. Set an iron post 3 ft. long, 2 in. diam. 24 in. in ground for closing cor. of secs. 1 & 2 marked on brass cap C C T 28 S R 9 W S 35 S 36 in N half S 1 in SE

Subdivision T29S R9W.

Chains	
	S2 in SW, quadrant; from which A mahogany 8 in. diam. bears S70°E, 29 lks. dist. marked T29 S R9W S1 BT A lone pine 12 in. diam. bears S40°W, 25 lks. dist. marked T29 S R9W S2 BT I destroy all marks on cor. of secs. 1, 2, 35 & 36 that pertain to secs. 1 & 2. This mile is high mountainous land drains SW. Soil, light sandy loam: 1 to 4 in. deep; washed on slopes; stony draws, on subsoil of decomposing granite. Timber; cedar, pinion & mahogany. Undergrowth; manzanita. Sept. 20, 1910.
	Sept 13, 1910. From the cor. of secs. 2, 3, 10 & 11 Run N0°01'W on true line bet. secs. 2 & 3. Over rolling mountainous land, ascend
6.00	Spur proj. S80°E, 200 ft. above cor, descend.
16.00	Draw 300 ft. below spur drains E, ascend.
22.00	Point of spur 100 ft. above draw proj S.E. descend.
34.00	Draw 60 ft. below spur drains S30°E, ascend.
36.40	The Beaver River Power Co's Line, bears N40°W & S40°E.
40.00	Set an iron post 3 ft. long, 1 in. diam. 26 in. in ground for 1/4 sec. cor. marked on brass cap 1/4 S3 on W half; S2 on E half; raise a mound of stone 2 ft. base, 1/2 ft. high W. of cor. Pits impracticable.
57.75	Wagon road bears N30°W & S30°E.
68.00	Enter scattering mahogany & dense manzanita underbrush.
77.00	Ridge 500 ft. above draw bears N.E. & W. descend.
80.00	Set temp. closing cor. for secs. 2 & 3. Sept. 13, 1910

Subdivision T29S R9W.

Chains

Sept. 18, 1910. Continue N 0° 01' W on line bet. secs. 2 & 3.

83.90 Intersect N. bdy. of Tp. 2.39 chs. W of cor. of secs. 2, 3, 34 & 35.

Set an iron post 3 ft. long, 2 in. diam. 24 in. in ground for closing cor. of secs. 2 & 3 marked on brass cap

CC T28 S R9W S34 S35 on N half;

S 2 in. SE.

S 3 in. SW. quadrant; raise a mound of stone 2 ft. base, 1½ ft. high S of cor.

Pits impracticable.

I destroy all marks on cor. of secs. 2, 3, 34 & 35 that pertain to secs. 2 & 3.

Land, rolling mountainous.

Soil, sandy loam 1 to 2 ft. deep, medium texture, mixed, clay & granite subsoil.

No timber.

Undergrowth; mahogany & manzanita.

Sept 18 1910

Aug. 29, 1910. From the cor. of secs. 15, 16, 21 & 22 heretofore described

Run

N on retracement line bet. secs. 15 & 16.

40.00 Intersect ¼ sec. cor. which is a limestone 10 x 10 x 5 in. above ground, family set, marked & witnessed as described by the surveyor general.

Thence Run

N 0° 02' W bet. secs. 15 & 16.

Over mountainous land through cedar & juniper timber, descend.

8.00 Draw drains S 45° W, ascend.

40.00 Set an iron post 3 ft. long, 2 in. diam. 24 in. ground for cor. of secs. 9, 10, 15 & 16 mark on brass cap

T29S S9 in NW

R9W S10 in NE

S15 in SE

Subdivision T29S R9W.

Chains

S16 in SW, quadrant, from which:
A cedar 6 in. diam. bears
N 5° E, 38 lks. dist. marked
T29S R9W S10 B T
A pinion 12 in. diam. bears
S 66° E, 20 lks. dist. marked,
T29S R9W S15 B T
A pinion 12 in. diam. bears
S 10° W, 64 lks. dist. marked
T29S R9W S16 B T
A pinion 6 in. diam bears
N 75° W, 81 lks. dist. marked
T29S R9W S9 B T
Land, mountainous draining SW.
Ridges covered with blue shale, washed on slopes; rocky. Draws; light-poor sandy loam; subsoil, decomposing shale.
Timber, cedar & pinion.

Aug 29, 1910.

Aug 31, 1910. From the cor. of secs. 9, 10, 15 & 16.
I run
S 89° 41' E on random line bet. secs. 10 & 15.
40.00 Set temp. 1/4 sec. cor.
80.30 Intersect N & S line 51 lks. S of cor. of secs 10, 11, 14 & 15.
Thence I run
S 89° 57' W on true line bet. secs. 10 & 15.
Ascend over mountainous land through cedar & pinion timber.
38.00 Ridge 600 ft. above sec. cor. bears N 30° W & S 10° E, descend.
40.15 Set an iron post 3 ft. long 1 in. diam. 26 in. in ground for 1/4 sec. cor. marked on brass cap 1/4 S10 on N half; S15 on S half from which
A pinion 6 in. diam. bears
N 32° E, 12 lks. dist. marked

Subdivision T29S R9W.

Chains	
	1/4 S10 B.T.
	A pinion 8 in. diam. bears
	S44° W, 92 lks. dist. marked
	1/4 S15 B.T.
43.00	Head of draw 100 ft. below ridge drains
	S45° W, descend
64.00	Head of draw 300 ft. below ridge drains
	S15° W, ascend.
74.50	Spur 300 ft. above draw proj S15° W, descend
80.30	The cor. of secs. 9, 10, 15 & 16.
	Land, broken & mountainous.
	Ridges, light poor sandy loam, washed
	on slopes, stony. Draws, light sandy
	loam drains S on subsoil of blue shale.
	Timber, cedar & pinion.
	Aug 31, 1910. At this cor. I set off 8°46' N on
	the decl. arc; & at 12 h 00 m. l. m. t. observe
	the sun on the meridian, the resulting
	lat is 38°18'.
	Aug. 31, 1910
	Sept. 8, 1910. From the cor. of secs. 9, 10, 15 & 16
	I run
	N 0°02' W bet. secs. 9 & 10
	Over mountainous land through cedar
	& pinion timber.
19.00	Spur 200 ft. above cor. proj. S40° W.
38.00	Draw 100 ft. below spur drains S80° W.
40.00	Set an iron post 3 ft. long 1 in. diam. 26
	in. in ground for 1/4 sec. cor. marked on
	brass cap 1/4 S9 on W half; S10 on E half;
	from which
	A pinion tree 16 in. diam. bears
	N 45° E, 50 lks. dist marked
	1/4 S10 B.T.
	A cedar 10 in. diam. bears
	N 52° W, 82 lks. dist. marked
	1/4 S9 B.T.
	Sept 8, 1910. At this cor. I set off 5°50' N on
	the decl. arc; & at 11 h 58 m. a.m. l. m. t.

Chains.	
	observe the sun on the meridian the resulting lat is 38° 19'.
46.00	Spur 300 ft. above draw proj. S 36° E.
	Leave cedar & pinion timber
	Enter mahogany brush
52.00	Head of draw 100 ft. below spur drains 330° W.
67.50	Ridge 300 ft. above draw bears N 50° W & S 50° E; leave mahogany; enter oakbrush bears NW & SE.
80.00	Set an iron post 3 ft. long, 2 in. diam. 24 in. in ground for cor. of secs. 3, 4, 9 & 10 marked on brass cap
	T29S S4 in NW
	R9W S3 in NE
	S10 in SE
	S9 in SW, quadrant; raise a mound of stone 2 ft. base, 1½ ft. high W of cor.
	Pits impracticable.
	Land, mountainous.
	S 68.00 chs. drains SW; N 12.00 chs drains E.
	Soil, light sandy loam mixed with loose stones, 4 to 8 in. deep; stony draws; subsoil, decomposing granite & shale.
	Timber, pinion & cedar.
	Underbrush; oak & mahogany.
	Sept. 8, 1910. At 1h 58m. p. m. l. m. t. I set off 38° 19' on the lat. arc; 5° 48' N on the decl. arc; & determine a meridian with the solar at the cor. of secs. 3, 4, 9 & 10
	Thence I run
	N 89° 57' E on random line bet. secs. 3 & 10.
40.00	Set temp. ¼ sec. cor.
80.22	Intersect N & S line 1.60 chs. S of cor. of secs 2, 3, 10 & 11.
	Set an iron post 3 ft. long, 2 in. diam. 24 in. in ground for closing cor. of secs. 3 & 10 marked on brass cap
	T29S R9W in N half
	CC S2 S11 in E half

Subdivision T 29 S R 9 W

Chains.	
	S 3 in NW
	S 10 in SW, quadrant; raise a mound of stone 2 ft. base, 1½ ft. high W of cor. Pits impracticable.
	I destroy all marks on cor. of secs. 2, 3, 10 & 11 that pertain to secs. 3 & 10.
	Thence I run
	S 89° 57' W on true line bet. secs. 3 & 10.
	Over mountainous land.
17.00	Spur 100 ft. above cor. prog. S 20° E.
22.00	Draw 75 ft. below spur drains S 20° E.
40.11	Set an iron post 3 ft. long, 1 in. diam. 26 in in ground for ¼ sec. cor. marked on brass cap ¼ S 3 on N half; S 10 on S half; raise a mound of stone 2 ft. base 1½ ft. high N of cor. Pits impracticable.
44.50	Spur, 150 ft. above draw prog. S 20° E.
62.25	Draw, 200 ft. below spur; spring branch 1 lk. wide, 1 in. deep runs S 60° E.
70.00	Enter oakbrush bears NW & SE.
80.22	The cor. of secs. 3, 4, 9 & 10.
	Land, mountainous. Drains SE.
	Soil, light sandy loam 2 to 10 in. deep.
	Stony draws. Subsoil, decomposing granite
	No timber; underbrush, oak.
	Sept. 8, 1910.

Sept. 13, 1910. At the cor. of secs. 3, 4, 9 & 10. I set off 3° 56' N on the decl. arc; & at 11 h 56 m. l. m. t. observe the sun on the meridian, the resulting lat is 38° 19'.

	Thence I run
	N 0° 02' W on true line bet. secs. 3 & 4.
	Over mountainous land through oakbrush, descend.
3.00	Draw 100 ft. below sec. cor. drains E.
7.00	Spur 150 ft. above draw prog. S 80° E.
10.00	Draw 90 ft. below spur drains S 80° E.
24.00	Spur 400 ft. above draw prog. E.
	Enter scattering mahogany blars E & W.

Subdivision T29S R9W.

Chains	
39.00	Head of draw 200 ft. below spur drains E.
40.00	Set an iron post 3 ft. long 1 in. diam. 26 in. in ground for 1/4 sec. cor. marked on brass cap 1/4 S4 on W half; S3 on E half; raise a mound of stone 2 ft. base 1½ ft. high W of cor. Pits impracticable.
50.00	Enter thick mahogany & manzanita brush, bears N 30° W & S 30° E.
72.00	Ridge 500 ft. above draw bears E & W.
80.00	Set temp. closing cor. for secs. 3 & 4. Sky overcast further Solar observations impossible
	Sept. 13, 1910.
	Sept. 18, 1910. Continue N 0° 02' W on line bet. secs. 3 & 4.
85.60	Intersect N bdy of Tp. 2.95 chs. W of cor of secs. 3, 4, 33 & 34, heretofore described. Set an iron post 3 ft. long, 2 in diam. 24 in. in ground for closing cor. of secs. 3 & 4 marked on brass cap CC T28S R9W S33 S34 in N half S3 in SE S4 in SW, quadrant; from which A mahogany 8 in. diam. bears S 36° E, 49 lks. dist. marked T29S R9W S3 BT A mahogany 10 in. diam. bears S 75° W 53 lks. dist. marked T29S R9W S4 BT
	Destroy all marks on cor. of secs. 3, 4, 33 & 34 that pertain to secs. 3 & 4.
	Land, mountainous, drains E.
	Soil, clay & gravel 2 to 8 in. deep, subsoil, decomposing shale & stone.
	No timber.
	Underbrush; oak, mahogany and manzanita.
	Sept. 18, 1910.

Subdivision T29 S R 9 W.

Chains.	
	Sept. 8, 1910. From the cor. of secs. 16, 17, 20 & 21.
	I run
	N on retracement line bet. secs. 16 & 17.
40.00	After diligent search find no trace of old 1/4 sec. cor.
	Set an iron post 3 ft. long, 1 in. diam. 26 in. in ground for 1/4 sec. cor. marked on brass cap 1/4 S17 on W half; S16 on E half; from which
	A pinion 12 in. diam. bears
	S 41° E, 58 lks. dist. marked
	1/4 S16 B T
	A cedar 14 in. diam. bears
	S 67° W, 45 lks. dist. marked
	1/4 S17 B T
	Thence I run
	N 0° 03' W bet. secs. 16 & 17.
	Ascend over mountainous land through cedar & pinion timber.
10.00	Spur 100 ft. above 1/4 sec. cor. proj. S 50° E.
30.00	Draw 200 ft. below spur drains S 25° E.
34.00	Low spur 50 ft. above draw proj. S 30° E.
40.00	Set an iron post 3 ft. long 2 in. diam. 24 in. in ground for cor. of secs. 8, 9, 16 & 17 marked on brass cap
	T 29 S S 8 in NW
	R 9 W S 9 in NE
	S 16 in SE
	S 17 in SW, quadrant; from which
	A cedar 10 in. diam. bears
	N 40° E, 30 lks. dist. marked
	T 29 S R 9 W S 9 B T
	A pinion tree 5 in. diam. bears
	S 29° E, 15 lks. dist. marked
	T 29 S R 9 W S 16 B T
	A cedar 6 in. diam. bears
	S 64° W, 7 lks. dist. marked
	T 29 S R 9 W S 17 B T
	A cedar tree 8 in. diam. bears

Subdivision T29SR9W.

Chains.	
	N 31° W 61 lks. dist. marked T29S R9W S8 B T
	Land mountainous
	Soil, clay & gravel 6 to 10 in. deep, medium texture, dry, on gravel subsoil. Drains S.
	Timber, pinion & cedar.
	S 89° 43' E on random line bet. secs. 9 & 16.
40.00	Set temp 1/4 sec. cor.
80.14	Intersect N & S line 63 lks S of cor. of secs. 9, 10, 15 & 16.
	Thence I run
	S 89° 50' W on true line bet. secs. 9 & 16.
	Over mountainous land through cedar & pinion timber.
5.40	Draw 300 ft. below sec. cor. drains S.
20.00	Spur 400 ft. above draw proj. S.
40.07	Set an iron post 3 ft. long 1 in. diam. 26 in. in ground for 1/4 sec. cor. marked on brass cap 1/4 S9 on N half; S16 on S half; from which
	A pinion tree, 12 in diam. bears N 11° E, 36 lks. dist. marked 1/4 S9 B T
	A pinion 14 in. diam. bears S 7° W, 27 lks. dist marked 1/4 S16 B T
45.00	Head of draw 250 ft. below spur drains S.
50.00	Spur 100 ft. above draw proj S.
59.75	Draw 300 ft. below spur drains S 15° W.
64.00	Spur 150 ft. above draw proj. S.
79.60	Small draw 60 ft. below spur drains S 25° E.
80.14	The cor. of secs. 8, 9, 16 & 17.
	Land, mountainous.
	Soil, dark clay loam 4 to 8 in. deep, mixed with gravel, medium texture; clay subsoil.
	Timber, pinion & cedar
	Sept. 8, 1910.

Subdivision T29S R9W.

Chains. Sept. 10, 1910. At 7h 57m a.m. l.m.t. I set off 38° 18' on the lat. arc; 5° 09' N on the decl. arc; & determine the meridian with the solar at the cor. of secs. 8, 9, 16 & 17.
Thence I run
N 0° 03' W bet. secs. 8 & 9.
Over mountainous land through pinion & cedar timber.
2.00 Draw 50 ft. below sec. cor. drains S 40° E.
18.00 Leave pinion & cedar bears NE & SW.
38.50 Spur 350 ft. above draw proj. S 35° E.
40.00 Set an iron post 3 ft. long, 1 in. diam. 26 in. in ground for 1/4 sec. cor. marked on brass cap 1/4 S 8 on W half; S 9 on E half; from which
A lone cedar 10 in. diam. bears
S 45° E. 2.68 chs. dist. marked
1/4 S 9 B T
Raise a mound of stone 2 ft. base, 1/2 ft. high W of cor. Pits impracticable. No other trees within limits
48.00 Draw 250 ft. below spur drains S 40° E.
68.00 Ridge 400 ft. above draw bears S 75° W & N 75° E.
Enter oakbrush bears E & W.
80.00 Set an iron post 3 ft. long, 2 in. diam. 24 in. in ground for cor. of secs. 4, 5, 8 & 9, marked on brass cap,
T29S S5 in NW
R9W S4 in NE
S9 in SE
S8 in SW, quadrant; dig pits 18 x 18 x 12 in. in each sec. 5 1/2 ft. dist; & raise a mound of earth 4 ft. base, 2 ft. high W of cor.
This cor. is on N slope, 300 ft. below ridge.
Land, rolling mountainous.
Soil, light clay loam mixed with gravel 6 to 10 in. deep, medium texture, gravel subsoil.
Timber, pinion & cedar.
Underbrush, oakbrush.

Subdivision T29S R9W.

Chains.	
	N 89° 50' E on random line bet. secs. 4 & 9.
40.00	Set temp 1/4 sec. cor.
80.10	Intersect N & S line at the cor. of secs. 3, 4, 9 & 10.
	Thence Trav
	S 89° 50' W on true line bet. secs. 4 & 9.
	Ascend over mountainous land through oakbrush.
8.00	Enter mahogany bears NW & SE.
16.25	Ridge 500 ft. above sec. cor. bears N & S.
25.00	Leave mahogany bears N 10° E & S 10° W.
40.05	Set an iron post 3 ft. long, 1 in. diam. 26 in. in ground for 1/4 sec. cor. marked on brasscap 1/4 S 4 on N half; S 9 on S half; raise a mound of stone 2 ft. base, 1 1/2 ft. high N of cor. Pits impracticable.
43.00	Head of draw 350 ft. below ridge drains S 10° W
57.00	Ridge 200 ft. above draw bears N 70° E & S 70° W.
80.10	The cor. of secs. 4, 5, 8 & 9.
	Land, mountainous.
	Soil, clay loam 5 to 10 in. deep, medium texture, washed on slopes, clay & gravel subsoil.
	No timber.
	Underbrush, mahogany & oak.
	Sept. 10, 1910. At this cor. I set off 5° 04' N on the decl. arc; & at 11 h 57 m. a.m. l. m. t. I observe the sun on the meridian the resulting lat. is 38° 19' N.
	N 0° 03' W bet. secs. 4 & 5.
	Over mountainous land through oakbrush descend.
4.50	Bottom of Cave Canyon 150 ft. below sec. cor. drains S 80° W.
6.75	Road, Milford to Hecla Mine bears S 80° W & N 80° E.
20.00	Enter mahogany bears S 50° W & N 50° E.
29.00	Leave oakbrush bears N 60° E & S 60° W.
36.00	Cabin at Hecla Mine on line.

Subdivision T29S R9W.

Chains

37.00 Mouth of tunnel 50 lks. E of line.

37.40 Frame cabin W 1.50 chs.

38.00 Enter scattering pinion timber bears N 30° W & S 30° E.

40.00 Set an iron post 3 ft. long 1 in. diam 26 in. in ground for 1/4 sec. cor. marked on brass cap 1/4 S 5 on W half; S 4 on E half; from which
A pinion 16 in. diam. bears
N 50° E, 1.75 chs. dist. marked
1/4 S 4 B T
A pinion 8 in. diam. bears
N 56° W 62 lks. dist. marked
1/4 S 5 B T

58.50 Ridge 800 ft. above Cave Canyon bears E & W.
Leave mahogany & scattering pinion
Enter heavy pine timber bears E & W.

75.00 Leave heavy pine timber; enter scattering pine timber N 80° E & S 80° W.

80.00 Set temp. cor. for secs. 4, 5, 32 & 33.
Sept. 10, 1910
Sept. 18, 1910. Continue N 0° 03' W on line bet. secs. 4 & 5.

85.85 Intersect N bdy of Tp. 3.20 chs. W of cor. of secs. 4, 5, 32 & 33.
Set an iron post 3 ft. long 2 in. diam. 24 in. in ground for closing cor. of secs. 4 & 5 marked on brass cap
CC T28S R9W S32 S33 in N half
S4 in SE
S5 in SW, quadrant; from which
A pine 9 in. diam. bears
S 9° E, 45 lks. dist. marked
T29S R9W S4 B T
A pine 7 in. diam. bears
S 46° W 17 lks. dist. marked
T29S R9W S5 B T
I destroy all marks on cor. of secs. 4, 5, 32 & 33 that pertain to secs. 4 & 5.
This cor. is 600 ft. below ridge; located on

Subdivision T29SR9W.

Chains	
	top of flat spur which proj. N.
	Land mountainous.
	Soil, light poor sandy loam 2 to 8 in. deep stony; subsoil, clay & stone.
	Timber, pine & pinion.
	Underbrush, mahogany & oak.
	Sept. 18, 1910
	Sept. 9, 1910 at 8 h. 58 m. a.m. l.m.t. I set off 38°17' N on the lat. arc; 5°31' N on the decl. arc; & determine a meridian with the solar at the cor. of secs. 17, 18, 19 & 20.
	Thence I run
	N on retracement line bet. secs. 17 & 18.
40.00	After diligent search find no trace of old 1/4 sec. cor.
	Set an iron post 3 ft. long, 1 in. diam. 26 in. in ground for 1/4 sec. cor. marked on brass cap 1/4 S18 on W half; S17 on E half; from which
	A pinion 8 in. diam. bears N 76° E, 9 lks. dist. marked 1/4 S17 B T
	A cedar 10 in. diam. bears S 75° W 25 lks. dist. marked 1/4 S18 B T
	Thence I run
	N 0°03' W bet. secs. 17 & 18.
	Ascend over mountainous land through cedar & pinion timber
1.00	Spur 25 ft. above 1/4 sec. cor. proj. S 40° W.
14.00	Draw 200 ft. below spur drains S 60° W
22.00	Small spring of good water 4.00 chs. E, flows about 2 gals. per minute; sinks soon after leaving spring.
28.00	Draw drains S 40° W.
40.00	Set an iron post 3 ft. long, 2 in. diam. 24 in. in ground for cor. of secs. 7, 8, 17 & 18 marked on brass cap T29 S S7 in NW

Subdivision T29S R9W

Chains.	
	R9W S8 in NE
	S17 in SE
	S18 in SW, quadrant; from which
	A cedar 8 in. diam. bears
	N 27° E, 40 lks. dist. marked
	T29S R9W S8 B T
	A cedar 6 in. diam. bears
	S 21° E, 1.24 chs. dist. marked
	T29S R9W S17 B T
	A cedar tree 16 in. diam. bears
	S 33° W, 1.02 chs. dist. marked
	T29S R9W S18 B T
	A pinion 8 in. diam. bears
	N 20° W, 47 lks. dist. marked
	T29S R9W S7 B T
	Land, rolling mountainous. Drains SW.
	Soil; light clay mixed with gravel & little sand, 7 to 10 in. deep medium texture, gravel subsoil.
	Timber, pinion & cedar.
	S 89° 47' E on random line bet. secs. 8 & 17.
40.00	Set temp. 1/4 sec. cor.
79.97	Intersect N & S line 40 lks. S of cor. of secs. 8, 9, 16 & 17.
	Sept 9, 1910 At this cor. I set off 5° 27' N on the decl. arc; & at 11 h 58 m. a.m. l. m. t. observe the sun on the meridian the resulting lat. is 38° 18' N.
	Thence I run
	S 89° 56' W on true line bet. secs. 8 & 17
	Over mountainous land through pinion & cedar timber, ascend.
13.00	Spur 350 ft. above cor. proj S 35° W.
25.00	Draw 275 ft. below spur drains S 35° W.
39.98½	Set an iron post 3 ft. long 1 in diam. 26 in. in ground for 1/4 sec. cor. marked on brass cap 1/4 S8 on N half; S17 on S half; from which
	A pinion 10 in. diam. bears
	N 32° W, 47 lks. dist. marked

Subdivision T29S R9W.

Chains	
	1/4 S8 B J A cedar 16 in. diam. bears S40° E. 41 lks. dist. marked 1/4 S17 B J
43.00	Spur, 250 ft. above draw proj S50° W.
69.00	Draw 325 ft. below spur drains S20° W.
79.97	The cor. of secs. 7, 8, 17 & 18.
	Land, mountainous.
	Soil, light-clay loam mixed with gravel 4 to 10 in. deep, coarse texture, subsoil; clay & gravel.
	Timber, pinion & cedar.
	Sept 9, 1910.
	Sept 22, 1910. At 8h 53 m. a. m. l. m. t. I set off 38°18' on the lat. arc; 0°31' N on the decl. arc; & determine a meridian with the solar at the cor. of secs. 7, 8, 17 & 18. Knowing from course of S. bdy. sec. 18 that closing cor. will be necessary on W bdy of Tp
	I run W on true line bet. secs. 7 & 18 Ascend over mountainous stony land through pinion & cedar timber.
40.00	Set an iron post 3 ft. long, 1 in. diam. 26 in. in ground for 1/4 sec. cor. marked on brass cap 1/4 S7 on N half; S18 on S half; from which
	A cedar 6 in. diam. bears N 69° E. 1.00 ch. dist. marked 1/4 S7 B J
	A pinion 16 in. diam. bears S 7° W, 1.15 chs. dist. marked 1/4 S18 B J
47.00	Ridge 750 ft. above sec. cor. bears S15° W & N50° E.
62.00	Draw, 500 ft below ridge drains S15° W.
69.50	Spur 200 ft. above draw proj. S15° W.
78.50	Draw 175 ft. below spur drains S10° W.

Subdivision T29S R9W.

Chains

79.80 Intersect W bdy of Tp 1.54 chs. S of cor. of secs 7, 12, 13 & 18, heretofore described.
Set an iron post 3 ft. long, 2 in. diam. 24 in. in ground for closing cor. of secs. 7 & 18 marked on brass cap
T29S on N half
CC R10W S12 S13 on W half
S7 in NE
R9W S18 in SE, quadrant; from which
A cedar 14 in. diam. bears
N57° E, 21 lks. dist. marked
T29S R9W S7 B T
A cedar 16 in. diam. bears
S38° E, 80 lks. dist. marked
T29S R9W S18 B T
I destroy all marks on cor of secs. 7, 12, 13 & 18 that pertain to secs 7 & 18.
Land, mountainous.
E 10.00 chs. soil is fine clay mixed with gravel, medium texture, subsoil gravel & stone.
Balance of mile, surface covered with stones on bedrock.
Timber, pinion & cedar.

Sept. 22, 1910.

Sept 9, 1910. From the cor. of secs. 7, 8, 17 & 18
I run
N 0° 03' W bet. secs. 7 & 8.
Over mountainous land through cedar & pinion timber, ascend.
40.00 Set an iron post 3 ft. long 1 in. diam. 26 in. in ground for 1/4 sec. cor. marked on brass cap 1/4 S7 on W half; S8 on E half; from which
A pinion 18 in. diam. bears
S56° E, 75 lks. dist. marked
1/4 S8 B T
A cedar 16 in. diam. bears
S36° W, 65 lks. dist. marked
1/4 S7 B T

Subdivision T29SR9W.

Chains.	
41.60	Ridge 850 ft. above sec. cor. bears N 50°E & S 80°W.
42.00	Leave cedar & pinion; enter oak and mahogany underbrush bears E & W.
70.00	Road, Milford to Hecla Mine bears E & W.
70.25	Bottom of Cave Canyon drains W.
72.00	Leave oak & mahogany underbrush; enter cedar & pinion timber bears N 80°E & S 80°W.
80.00	Set an iron post 3 ft. long 2 in. diam. 24 in. in ground for cor. of secs. 5, 6, 7 & 8 marked on brass cap T29S S6 in NW R9W S5 in NE S8 in SE S7 in SW, quadrant; from which A pinion 17 in. diam. bears N 77°E, 30 lks. dist. marked T29S R9W S5 B T A pinion 8 in. diam. bears S 35°E, 45 lks. dist. marked T29S R9W S8 B T A cedar 7 in. diam. bears S 22°W, 25 lks. dist. marked T29S R9W S7 B T A pinion 18 in. diam. bears N 42°W, 60 lks. dist. marked T29S R9W S6 B T Land mountainous. S 40.00 chs drains S; N 40.00 chs drains W. Soil; clay, sand & gravel mixed, 3 to 10 in. deep, subsoil; clay & decomposing shale. Timber, pinion & cedar. Undergrowth; mahogany & oak. Sept. 9, 1910.
	Sept 10, 1910. From the cor. of secs. 5, 6, 7 & 8 I run N 89° 56' E on random line bet. secs. 5 & 8.
40.00	Set temp 1/4 sec. cor.
80.00	Intersect N & S line 9 lks S of cor. of

Subdivision T 29 S R 9 W

Chains. secs. 4, 5, 8 & 9.
Thence I run
S 89° 52' W on true line bet. secs. 5 & 8.
Over mountainous land through oak-brush, descend.
20.00 Wagon road bears N 80° E & S 80° W.
20.75 Bottom of Cave Canyon 300 ft. above sec. cor. drains S 80° W.
34.00 Spur 250 ft. above canyon proj. S 15° W.
40.00 Set an iron post 3 ft. long, 1 in. diam. 26 in. in ground for 1/4 sec. cor. marked on brass cap 1/4 S 5 on N half; S 8 on S half; raise a mound of stone 2 ft. base, 1½ ft. high, N of cor. Pits impracticable.
46.00 Leave oak brush: enter cedar & pinion timber bears N 60° E & S 60° W.
61.00 Draw 400 ft. below spur drains S 20° W.
80.00 The cor. of secs. 5, 6, 7 & 8.
Land, mountainous.
Soil, light sandy loam 6 to 10 in. deep, loose stones on surface; subsoil, gravel.
Timber, pinion & cedar.
Underbrush, oak.

Sept. 10, 1910.

Sept. 22, 1910. At the cor. of secs. 5, 6, 7 & 8 I set off 0° 27' 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 38° 19'.
Thence I run
W on true line bet. secs. 6 & 7.
Ascend over stony mountainous land through cedar & pinion timber.
32.00 Spur 350 ft. above sec. cor. proj S.
40.00 Set an iron post 3 ft. long, 1 in. diam. 26 in in ground for 1/4 sec. cor. marked on brass cap 1/4 S 6 on N half; S 7 on S half; from which
W cedar 7 in. diam. bears
N 28° W, 50 lks. dist. marked
1/4 S 6 B T

Subdivision T29S R9W.

Chains.	
	A pinion 8 in. diam. bears S 42° E, 23 lks. dist. marked 1/4 S 7 B T
41.50	Draw 200 ft. below spur drains S.
45.00	Point of spur 225 ft. above draw proj. S
71.00	Draw 275 ft. below spur drains S.
79.92	Intersect W. bdy. of Tp. 1.20 chs. S of cor. of secs. 1, 6, 7 & 12. Henceforth described. Set an iron post 3 ft. long 2 in. diam. 24 in. in ground for closing cor. of secs. 6 & 7 marked on brass cap T29S on N half C C R10 W S1 S12 on W half S6 in NE R9W S7 in SE, quadrant; from which A pinion 7 in. diam. bears N 21° E, 1.00 ch. dist. marked T29S R9W S6 B T A pinion 20 in. diam. bears S 62° E, 55 lks. dist. marked T29S R9W S7 B T I destroy all marks on cor. of secs. 1, 6, 7 & 12 that pertain to secs 6 & 7. Land, mountainous. Soil, light sandy loam mixed with loose rocks, 4 to 10 in. deep, medium texture, subsoil, decomposing granite Timber, pinion & cedar. Sept. 22, 1910
	Sept. 20, 1910. From the cor. of secs. 5, 6, 7 & 8 I run N 0° 03' W bet. secs. 5 & 6 Ascend over stony mountainous land through pinion & cedar timber.
40.00	Set an iron post 3 ft. long, 1 in. diam. 26 in. in ground for 1/4 sec. cor. marked, on brass cap 1/4 S6 on W half; S5 on E half; from which A pinion 8 in. diam. bears

Subdivision T29S R9W

Course.

S 12° E, 31 lks. dist. marked
1/4 S5 B J
A pinion 8 in. diam. bears
N 57° W, 30 lks. dist. marked
1/4 S6 B J

50.00 Leave cedar & pinion timber

56.50 Ridge 1000 ft above sec. cor. bears E & W.
Descend abruptly through slide rock.

57.00 Enter scattering pine timber & mahogany underbrush.

86.15 Intersect N bdy. of Tp 3.25 chs. W of cor. of secs 5, 6, 31 & 32.
Set an iron post 3 ft. long 2 in. diam. 24 in in ground for closing cor. of secs. 5 & 6 marked on brass cap.
CC T28S R9W S31 S32 on N half
S5 in SE
S6 in SW, quadrant; from which
A pine tree 8 in. diam. bears
S 53° E, 1.03 chs. dist. marked
T29S R9W S5 B J
A pine tree 7 in. diam. bears
S 19° W, 1.40 chs. dist. marked
T29S R9W S6 B J
I destroy all marks on cor. of secs. 5, 6, 31 & 32 that pertain to secs 5 & 6.
Land, mountainous.
Soil very rocky with little sand, 2 to 8 in. deep on bedrock.
Timber, pine, pinion & cedar.
Underbrush, mahogany.

Sept. 20, 1910.

Latitudes, Departures & Closing Errors.

designated	True bearing	Distance	Latitudes N	Latitudes S	Departures E	Departures W.
T29S R9W	West	483.25				483.25
y T29S R9W	S 0° 16' E	245.00		245.00	1.14	
ecs. 18 & 19	S 88° 53' E	79.60		1.55	79.58	
ecs. 17 & 20	S 89° 47' E	40.14		.15	40.14	
ecs. 17 & 20	N 89° 42' E	40.08	.21		40.08	
secs. 16 & 21	S 89° 43' E	39.88		.20	39.88	
secs. 16 & 21	N 89° 28' E	40.32	.38		40.32	
secs 15 & 22	S 89° 41' E	40.52		.22	40.52	
secs. 15 & 22	N 89° 46' E	39.76	.16		39.76	
secs. 14 & 15	North	80.00	80.00			
secs 10 & 11	North	81.60	81.60			
secs 2 & 11	N 89° 55' E	80.30	.12		80.30	
secs 1 & 12	N 89° 55' E	81.65	.12		81.65	
secs 1 & 6	North	83.80	83.80			
vergency						2.
	Totals		246.39	247.12	483.37	483.4
				246.39		483.3
			Error in lat.	.73	Error in Dept.	1

General Description.

This fractional township is all mountainous land.

The soil is stony & gravelly, classed as 3rd rate.

Scrubby cedar and pinion timber grows on most of this fractional township

Some good pine timber is found in the northern part of secs. 5 & 6.

There is one mine known as the "Hecla", not working at the present time located in the NW 1/4 of the SW 1/4 of sec 4, which has produced gold & silver ore.

There are indications of mineral in secs. 1, 4, 5, 6, 7, 17 & 18.

General Description.

There is very little water in this fractional township. A small spring on the NW 1/4 of sec. 17, & a small spring branch in NW 1/4 of sec 10, names all the water.

There are no settlers in this fractional township.

John W. Dougall
U. S. Transitman.

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by _____

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

_____

showing the respective capacities in which they acted:

For final affidavit of Daniel and Garn, as chainmen, and Whitmore as _____, *Chainman.*

Whitmore as moundman, see book "H" T.27 S., R. 9 W. _____, *Chainman.*

For final affidavit of Sharp, as flagman, see book "F" T.28 _____, *Moundman.*

S., R.9 W. _____, *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 _____, 190 _____

_____

SEAL

_____

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FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, ..., United States Deputy Surve
solemnly swear that, in pursuance of a contract received from ..... bearing date
United States Surveyor General for ..... day of ....., 190 , I have well, faithfully, and truly, in my
proper person, and in strict conformity with the instructions furnished by the United States Surv
General for ....., the Manual of Surveying Instructions, and the laws of
United States, surveyed all those parts or portions of .....

For final affidavit of Transitman see book "U" T.27 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 wi
the Manual of Surveying Instructions, and the special written instructions of the United States Surveyo
General for ..... and in the specific manner described in the field notes, and th
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 190

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL.

Salt Lake City, Utah, Sept.16 1913.

The foregoing field notes of the survey of the subdivisional lines with retrace
ment of East Boundary of Township No.29 South, Range No.9 West of the
Salt Lake Base and Meridian, Utah

executed by John W. Dougall
under his ~~contract No.~~ special instructions, dated August 6, 1910 ~~Max~~, having been
critically examined, and the necessary corrections and explanations made, the said field notes, and the
surveys they describe, are hereby approved.

United States Surveyor General.

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

United States Surveyor General.

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Page

1—670.

BOOK A-381

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FILED
APR 1 1912

D.

FIELD NOTES

OF THE Resurvey and SURVEY OF THE

Subdivision of Fractional
Township No. 28 South, Range No. 10 West
and
Resurvey of East and Part of North
Boundaries T. 28 S. R. 10 W.

of the Salt Lake Base and Meridian,
Utah

AS SURVEYED BY

John W. Dougall, United States ~~Deputy Surveyor~~ Transitman,
under his ~~Contract~~ Amend Group No. 5, dated Aug. 6, 1910, ~~190~~
Survey commenced Sept. 26, 1910, ~~190~~
Survey completed April 21, 1911, ~~190~~

E-811

Lat. E. Bdy. 6 05.54
Lat. W. Bdy. 3 62.00
Meas. Bdy. 11 08.80
Decl. 25 60 14
Sec. 1257

NAMES AND DUTIES OF ASSISTANTS.

George W. Daniel	Chainman	for 1910.
Edwin Gam	Chainman	for 1910.
William B. Clark	Chainman	for 1911.
Willis Whitmore	Chainman	for 1911.
Willis Whitmore	Rodman	for 1910.
Ernest Harmer	Rodman	for 1911.
Fred Sharp	Flagman	for 1910.
Ralph A. Groasbeck	Flagman	for 1911.

For preliminary oaths of assistants for 1910 see book "A" T.29 S.R.10

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BOOK A-381

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 .....

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PRELIMINARY OATHS OF ASSISTANTS.

WE, William B. Clark and Willis Whitmore 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 T. 2 8 S. R. 10 W. A. L. B. & M.

William B. Clark, *Chainman.*

Willis Whitmore, *Chainman.*

Subscribed and sworn to before me this 5th day of April, 1911

L. D. Atkins
Notary Public

SEAL

my commission expires January 26-19

I, WE, Ernest Hammer 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 T. 2 8 S. R. 10 W. A. L. B. & M.

Ernest Hammer, *Moundman.*

, *Moundman.*

Subscribed and sworn to before me this 5th day of April, 1911

L. D. Atkins
Notary Public

SEAL

my commission expires January 26-1915

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, Ralph A. Goodbeck, 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 T. 2 8 S. R. 10 W. A. L. B. & M.

Ralph A. Goodbeck, *Flagman.*

Subscribed and sworn to before me this 5th day of April, 1911

L. D. Atkins
Notary Public

SEAL

6—15L

my commission expires January 26-1915

Resurvey of E. bdy. of Tp. 28 S R 10 W.

Chains.

Survey commenced Sept. 26, 1910, & executed with a W & L E Gurley light mountain transit, no number, with Solar attachment.

For full description of instrument see Book A.

Knowing my instrument is in perfect adjustment from recent observations on Polaris and by A. M & P. M solar observations.

From the cor. of Tps. 28 & 29 S, Rs 9 & 10 W, before described I retrace North on the E bdy. of sec. 36: at 34.00 chs. find no trace of reported witness cor: at 40.00 chs. find no trace of old 1/4 sec. cor: at 80.00 chs. intersect cor. of secs. 25, 30, 31 & 36 which is a granite stone 10 x 10 x 6 in. above ground, marked 1 notch on S and 5 notches on N edges, in a stone mound at the base of a boulder 4 x 4 x 4 ft. also marked for cor.

Therefore the course of this line is N.

Sept. 26, 1910

Sept. 29, 1910. At 8 h 21 m. a. m. l. m. t. I set off 38° 20' N on the lat. arc; 2° 13' S on the decl. arc; and determine a meridian with the solar at the cor. of Tps. 28 & 29 S, Rs 9 & 10 W.

A flag on cor. of Tps. 27 & 28 S, Rs 9 & 10 W, being plainly visible, I run for said Tp. cor. North on resurvey line bet. secs. 31 & 36.

Over broken mountainous land, through cedar & pinion timber. Abrupt descent.

6.00 Head of draw 250 ft. below cor. drains N 45° W.

14.00 Spur 75 ft. above draw proj. N 40° W: leave cedar & pinion timber, bears N 45° W & S 45° E.

32.00 Draw 500 ft. below spur, drains N 50° W.

Leave mountainous land: enter rolling land, bears N 40° W & S 40° E.

Resurvey E. bdy. of Tp. 28 S R 10 W

Chains

36.00 Low spur prof. N 60° W.

40.00 Set an iron post 3 ft. long, 1 in. diam. 26 in. in ground for 1/4 sec. cor. marked on brass cap 1/4 S 36 on W half; S 31 on E half; raise a mound of stone 2 ft. base, 1 1/2 ft. high W of cor. Pits impracticable

41.00 Wash 6 ft. deep, 20 lks. wide, drains N 80° W.

48.00 Enter scattering cedar timber bears E & W.

57.00 Hollow 50 ft. deep, 2.00 chs. wide drains W.

61.50 Small porphyry ledge 20 ft. high bears E & W

74.90 Wash 8 ft. deep 25 lks. wide, drains N 30° W.

80.00 Intersect cor. of secs. 25, 30, 31 & 36, which is a granite 10 x 10 x 6 in. above ground in a mound of stone at the base of a boulder 4 x 4 x 4 ft. above ground also marked for said cor.

I destroy all traces of old cor. and re-establish it at same point as follows. Set an iron post 3 ft. long, 3 in. diam. 24 in. in ground for cor. of secs. 25, 30, 31 & 36 marked on brass cap

T 28 S on N half
R 10 W S 25 in NW
R 9 W S 30 in NE
S 31 in SE
S 36 in SW, quadrant; from which
A cedar tree, 7 in. diam. bears
N 60° E, 52 lks. dist. marked
T 28 S R 9 W S 30 B T
A cedar tree 8 in. diam. bears
S 49° E, 1.34 chs. dist. marked
T 28 S R 9 W S 31 B T
A cedar tree, 5 in. diam. bears
S 48° W, 2.00 chs. dist. marked
T 28 S R 10 W S 36 B T
A cedar tree, 8 in. diam. bears
N 59° W, 34 lks. dist. marked
T 28 S R 10 W S 25 B T

S 32.00 chs. high, broken, mountainous land hilly.

Resurvey of E bdy. of T28S R10W

Chains.	
	Soil on ridges, coarse poor sandy loam, washed on slopes, stony.
	Valleys, light, poor, sandy loam, on gravel and decomposing granite subsoil.
	N 48.00 chs. high, rolling bench land sloping W.
	Soil; light, poor, sandy loam, stony, 4 to 12 in. deep, coarse texture on sand, gravel and granite subsoil.
	Timber, cedar
	N. on resurvey line bet. secs. 25 & 30.
	Over rolling stony land, through cedar timber & sagebrush.
23.00	Wash 6 ft. deep 20 lks. wide drains N 40° W.
28.00	Wash 8 ft. deep, 25 lks. wide drains N 70° W
35.00	Wood road bears N 60° W & S 60° E.
38.20	Wash 12 ft. deep, 40 lks. wide drains N 60° W.
40.00	After diligent search find no cor.
	Set an iron post 3 ft. long, 1 in. diam. 26 in. in ground for 1/4 sec. cor. marked on brass cap 1/4 S 25 on W half; S 30 on E half; from which
	A cedar tree, 10 in. diam. bears
	S 60° E, 18 lks. dist. marked
	1/4 S 30 B J
	A cedar tree, 14 in. diam. bears
	N 69° W, 27 lks. dist. marked
	1/4 S 25 B J
61.50	Wash 8 ft. deep, 20 lks. wide drains N 50° W.
80.00	Intersect cor. of secs. 19, 24, 25 & 30 which is a trachyte 8 x 8 x 6 in. above ground badly decomposed & marks nearly obliterated.
	The stumps of two trees agree with the course & distance of field notes of old survey.
	I destroy all traces of old sec. cor. and re-establish it at same point as follows.
	Set an iron post 3 ft. long, 3 in. diam. 24 in. in ground for cor. of secs. 19, 24, 25 & 30 marked on brass cap
	T28S on N half

Resurvey E bdy. of T 28 S R 10 W

Irrig

R 10 W S 24 in NW
R 9 W S 19 in NE
S 30 in SE
S 25 in SW, quadrant; from which
A cedar tree, 20 in. diam. bears
N 35° E, 26 lks. dist. marked
T 28 S R 9 W S 19 B J
A cedar tree, 16 in. diam. bears
S 49° E, 33 lks. dist. marked
T 28 S R 9 W S 30 B J
A cedar tree, 10 in. diam. bears
S 33° W, 37 lks. dist. marked
T 28 S R 10 W S 25 B J
A cedar tree, 16 in. diam. bears
N 32° W, 36 lks. dist. marked
T 28 S R 10 W S 24 B J
Land, high rolling bench sloping W.
Soil, light-poor sandy loam 4 to 14 in. deep, stony, medium texture, moist, on clay & gravel subsoil.
Timber, cedar. Growth of sagebrush.
Sept. 29, 1910. At this cor. I set off 2° 17' S on the decl. arc; and at 11 h 51 m. a.m. l. m. t. observe the sun on the meridian, the resulting lat. is 38° 22' N.

N. on resurvey line bet. secs. 19 & 24.
Over gently rolling bench land through cedar timber & sagebrush
19.25 Wood road bears N 40° E & S 40° W.
19.80 Beaver River Power Co Electric line bears N 69° W
26.00 Wash 10 ft. deep 70 lks. wide drains W.
32.00 Top of bench 18 ft. high bears E & W.
40.00 After diligent search no cor. is found.
Set an iron post 3 ft. long, 1 in. diam. 26 in. in ground for 1/4 sec. cor. marked on brass cap 1/4 S 24 on W half; S 19 on E half; from which
A cedar tree, 12 in. diam. bears
S 32° E, 92 lks. dist. marked
1/4 S 19 B J

Resurvey E. bdy of T28S R10W

Chains.	
	A cedar tree, 16 in. diam. bears S23° W, 1.60 chs. dist. marked 1/4 S24 B J
47.20	Road, Milford to Beaver bears N65° W & S65° E.
64.00	Leave heavy; enter scattering cedar timber bears N40° E & S40° W.
80.00	I find the old cor. of secs. 13, 18, 19 & 24 N8°28' E 3.46 chs. which is a granite 10 x 8 x 6 in. above ground marked three notches on N & S edges. No pits left.
	I destroy old cor.
	Set an iron post 3 ft. long, 3 in. diam. 24 in in ground for cor. of secs. 13, 18, 19 & 24 marked on brass cap
	T28S on N half
	R10W S13 in NW
	R9W S18 in NE
	S19 in SE
	S24 in SW, quadrant; from which
	A cedar tree 6 in. diam. bears N59° E, 3.12 chs. dist. marked T28S R9W S18 B J
	A cedar tree, 10 in. diam. bears S24° 30' E, 4.24 chs. dist. marked T28S R9W S19 B J
	A cedar tree 18 in. diam. bears S24° 30' W, 5.47 chs. dist. marked T28S R10W S24 B J
	A cedar tree, 16 in. diam. bears N18° W, 5.09 chs. dist. marked T28S R10W S13 B J
	Land, high rolling bench sloping W. Soil; light sandy loam, 5 to 12 in. deep medium texture, moist, on clay subsoil. Timber, cedar. Growth of sagebrush.
	Sept. 29, 1910. At 1h 51m. p.m. l. m. t. I set off 38°23' N on the lat. arc; 2°18' S on the decl. arc; & determine a true meridian with the solar at the cor. of secs. 13, 18, 19 & 24

Resurvey E. bdy. of T 28 S R 10 W

Chains	Thence I run
	N. on resurvey line bet. secs. 13 & 18.
	Over gently rolling land through scattering cedar & sagebrush.
5.30	Wash 3 ft. deep, 10 lks. wide, drains N 40° W.
6.00	Leave scattering cedar bears N 50° E & S 50° W.
13.75	Wood road, bears N 80° W & S 80° E.
20.00	Wash 5 ft. deep, 20 lks. wide, drains N 80° W.
31.50	N.E. cor. of frame cabin belonging to D. Sedwick, bears W 4.05 chs.
40.00	No trace of old 1/4 sec. cor. to be found.
	Set an iron post 3 ft. long, 1 in. diam. 26 in. in ground for 1/4 sec. cor. marked on brass cap 1/4 S 13 on W half; S 18 on E half; dig pits 18 x 18 x 12 in. N & S of post, 3 ft. dist; & raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high, W of cor.
56.35	Wash 6 ft. deep, 20 lks. wide drains N 70° W.
75.35	Wood road bears E & W.
80.00	No trace of old cor. found.
	Set an iron post 3 ft. long, 3 in. diam. 24 in in ground for cor. of secs. 7, 12, 13 & 18 marked on brass cap
	T 28 S on N half
	R 10 W S 12 in NW
	R 9 W S 7 in NE
	S 18 in SE
	S 13 in SW, quadrant; dig pits 18 x 18 x 12 in in each sec. 5 1/2 ft. dist; & raise a mound of earth 4 ft. base, 2 ft. high, W of cor.
	Land, gently rolling bench sloping W
	Soil, good brown clay loam, 6 to 14 in. deep, medium texture, moist, clay subsoil
	Timber, cedar, Growth of sagebrush.
	N. on resurvey line bet. secs. 7 & 12.
	Over gently rolling land through sagebrush.
5.10	Wash 4 ft. deep, 10 lks. wide, drains N 80° W.
40.00	After careful search no trace of 1/4 cor. to be found.

Resurvey E bdy. of T 28 S R 10 W

Chains	Set an iron post 3 ft. long, 1 in. diam. 26 in. in ground for 1/4 sec. cor. marked on brass cap 1/4 S 12 on W half; S 7 on E half; dig pits 18 x 18 x 12 in. N & S of post 3 ft. dist; & raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high W of cor.
41.15	Wash 5 ft. deep, 12 lks. wide drains S 50° W.
46.75	Wood road bears E & W.
80.00	Old cor. of secs. 1, 6, 7 & 12 bears N 5.00 chs. I destroy all traces of old cors
	Set an iron post 3 ft. long, 3 in. diam. 24 in. in ground for cor. of secs. 1, 6, 7 & 12 marked on brass cap
	T 28 S on N half
	R 10 W S 1 in NW
	R 9 W S 6 in NE
	S 7 in SE
	S 12 in SW, quadrant; dig pits, 18 x 18 x 12 in. in each sec. 5 1/2 ft. dist; & raise a mound of earth 4 ft. base, 2 ft. high, W of cor.
	Land, gently rolling bench sloping W.
	Soil, good brown clay loam 4 to 10 in. deep, medium texture, moist, clay subsoil
	No timber. Growth of sagebrush.
	Now resurvey line bet. secs. 1 & 6.
	Over gently rolling land through sagebrush.
3.00	Wash 2 ft. deep 10 lks. wide drains N 40° W
21.00	Wash, in hollow, 10 ft. deep, 25 lks. wide, drains N 60° W.
26.00	Wood road bears N 70° W & S 70° E.
40.00	No trace of old 1/4 sec. cor. found.
	Set an iron post 3 ft. long, 1 in. diam. 26 in. in ground for 1/4 sec. cor. marked on brass cap 1/4 S 1 on W half; S 6 on E half; dig pits 18 x 18 x 12 in. N & S of post, 3 ft. dist; & raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high, W of cor.
43.00	Wash 2 ft. deep, 10 lks. wide, drains S 75° W.
85.54	Intersect N. bdy. of Tp at the cor. of Tps. 27 & 28 S, Rs 9 & 10 W, which is a trachyte stone

Resurvey E. bdy. of T 28 S R 10 W

Corner 12 x 12 x 8 in. above ground, firmly set, marked & witnessed as described by the Surveyor General.
Land, gently rolling bench sloping W.
Soil, good brown clay loam, 4 to 12 in. deep medium texture, moist, on clay subsoil.
No timber. Growth of sagebrush.
Sept. 29, 1910.

Resurvey of part of N. Bdy. of T 28 S R 10 W.

chains Sept. 29, 1910.
West on retracement line bet. secs. 1 & 36 on N. bdy. of Tp.
Over gently rolling land.
40.00 Intersect 1/4 sec. cor. which is a quartzite stone 10x10x4 in. above ground, partly crumbled, marks nearly obliterated.
I destroy all traces of the old cor. & re-establish it at same point as follows
Set an iron post 3 ft. long, 1 in. diam. 26 in. in ground for 1/4 sec. cor. marked on brass cap 1/4 S 36 on N half; S 1 on S half; dig pits 18x 18x 12 in. E & W of post 3 ft. dist; & raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high N of cor.
80.00 Intersect cor. of secs. 1, 2, 35 & 36 which is a granite 10x8x6 in. above ground, decomposing
I destroy all traces of the old cor. and re-establish it at same point as follows.
Set an iron post 3 ft. long 3 in. diam. 24 in. in ground for cor. of secs. 1, 2, 35 & 36 marked on brass cap T 27 S S 35 in NW
R 10 W S 36 in NE
R 10 W S 1 in SE
T 28 S S 2 in SW, quadrant; dig pits 18x18x12 in. in each sec. 5 1/2 ft. dist; & raise a mound of earth 4 ft. base, 2 ft. high W of cor.
Land, gently rolling bench sloping W.
Soil; good brown sandy loam 5 to 18 in. deep medium texture, moist; clay subsoil.
No timber.

Sept. 29, 1910

Oct. 1, 1910. At 8 h 50 m. a. m. l. m. t. I set off 38° 25' N on the lat. arc; 3° 00' S on the decl. arc; & determine a true meridian with the solar at the cor. of secs. 1, 2, 35 & 36 on N. bdy. of Tp.
Thence I run
W. on blank line on N bdy of sec. 2.
At 40.33 chs. intersect 1/4 sec. cor. & at 80.00 chs. find no trace of sec. cor. at 122.07 chs. find

Resurvey of part of N. Bdy. of T28 S R10 W.

chains an old cedar post properly marked but not set; at 162.00 chs. intersect cor. of secs. 3, 4, 33 & 34 which is a cedar post greatly decayed and marks nearly obliterated.

I destroy all traces of the old cor. and re-establish it at same point as follows.

Set an iron post 3 ft. long, 3 in. diam. 24 in in ground for cor. of secs. 3, 4, 33 & 34 marked on brass cap

T27 S S 33 in NW
R10 W S34 in NE
R10 W S3 in SE
T28 S S4 in SW, quadrant; dig pits 18 x 18 x 12 in. in each sec. 5½ ft. dist; & raise a mound of earth 4 ft. base, 2 ft. high, W of cor.

From cor. of secs. 1, 2, 35 & 36 I run West bet. secs. 2 & 35
Over gently rolling bench land through sagebrush.

40.00 Set an iron post 3 ft. long, 1 in. diam. 26 in. in ground for 1/4 sec. cor. marked on brass cap 1/4 S35 on N half; S2 on S half; dig pits 18 x 18 x 12 in. E & W of post 3 ft. dist; & raise a mound of earth 3½ ft. base, 1½ ft. high, N of cor.

40.33 The old 1/4 sec. cor. which I destroy.

52.00 Wood road bears N 60° W & S 60° E.

80.00 Set an iron post 3 ft. long 3 in. diam. 24 in. in ground for cor. of secs. 2, 3, 34 & 35 marked on brass cap

T27 S S34 in NW
R10 W S35 in NE
R10 W S2 in SE
T28 S S3 in SW, quadrant; dig pits 18 x 18 x 12 in. in each sec. 5½ ft. dist; & raise a mound of earth 4 ft. base 2 ft. high, W of cor.

Land, gently rolling bench sloping W.
Soil, good brown sandy loam 6 to 20 in. deep, medium texture, moist, clay subsoil.
Good growth of sagebrush.
No timber.

Resurvey of part of North Bdy. T28 S R10 W

Chains	
	West bet. secs. 3 & 34.
	Over gently rolling land through sagebrush.
4.00	Top of bench bears north and south: descend.
8.00	Foot of bench, 25 ft. below top, bears north & south.
40.00	Set an iron post 3 ft. long 1 in. diam. 26 in. in ground for 1/4 sec. cor. marked on brass cap 1/4 S 34 on N. half; S 3 on S. half; dig pits 18 x 18 x 12 in. E & W of post 3 ft. dist; and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high N of cor.
80.90	Road, Milford to Roosevelt Hot Springs bears N 50° E & S 50° W.
82.00	The cor. of secs. 3, 4, 33 & 34.
	Land, gently rolling bench sloping west.
	Soil, good brown sandy loam 10 to 20 in. deep, medium texture, moist on clay subsoil.
	Good growth of sagebrush.
	No timber.
	Oct. 1, 1910.

Retracement of Part of Subdivision T28S R10W

Chains.	
	Apr. 19, 1911. At 7h 59m a.m. l.m.t. I set off 38°20' N on the lat. arc; 10°57' N on the decl. arc; & determine a true meridian with the solar at the cor. of secs. 3, 4, 33, & 34 on the S. bdy. of Tp. heretofore described.
	Thence I run
	North on blank line bet. secs. 33 & 34.
40.00	The 1/4 sec. cor. is not found after careful search.
80.92	The remains of cor. of secs. 27, 28, 33 & 34 bears W 44 lks. dist.
	Therefore the course & dist. of this line is N 0°19' W, 80.92 chs.
	North on blank line bet. secs. 27 & 28
40.00	The 1/4 sec. cor. not found after careful search.
80.70	Intersect stump of a broken cedar post in mound of stone, marks all obliterated.
	Therefore the course & dist. of this line is North, 80.70 chs.
	North on blank line bet. secs. 21 & 22.
40.42	The old 1/4 sec. cor. bears W. 20 lks. dist.
80.84	The stump of an old cedar post bears W 40 lks. dist.
	Therefore the course and dist. of this line is N 0°17' W, 80.84 chs.
	North on blank line bet. secs. 15 & 16.
40.00	The 1/4 sec. cor. is not found after careful search.
80.86	The remains of the old cor. of secs. 9, 10, 15 & 16 bears E 24 lks. dist.
	Therefore the course and dist. of this line is N 0°10' E, 80.86 chs.
	North on retracement line bet. secs. 9 & 10:
40.21	The old 1/4 sec. cor. bears E 12 lks. dist; & is

Chains

a cedar post, greatly decayed.
I destroy all traces of the old cor. and re-establish it at same point as follows
Set an iron post 3 ft. long, 1 in. diam. 26 in. in ground for 1/4 sec. cor. marked on brass cap 1/4 S 9 on W half; S 10 on E half; dig pits 18X18X12 in. N & S of post, 3 ft. dist; & raise a mound of earth 3/2 ft. base, 1/2 ft. high, W of cor.

80.42 The old cor. of secs. 3, 4, 9 & 10, bears E 24 lks. dist; which is a cedar post greatly decayed and marks nearly obliterated.
I destroy all traces of the old cor. and re-establish it at the same point as follows
Set an iron post 3 ft. long, 2 in. diam. 24 in. in ground for cor. of secs. 3, 4, 9 & 10 marked on brass cap
T 28 S S 4 in NW
R 10 W S 3 in NE
S 10 in SE
S 9 in SW, quadrant; dig pits 18X18X12 in. in each sec. 5 1/2 ft. dist; & raise a mound of earth 4 ft. base, 2 ft. high, W of cor.
Therefore the course of this line is N 0° 10' E.
Land, gently rolling.
Soil, good brown sandy loam, 10 to 20 in. deep, medium texture, moist, clay subsoil.
Good growth of sagebrush.
No timber.

N 0° 05' W on retracement line bet. secs. 3 & 4

8.24 N.W. cor. of George Washington's cabin bears N 15° E.

40.24 Intersect old 1/4 sec. cor. which is a cedar post greatly decayed & marks nearly obliterated.
I destroy all traces of the old cor. and re-establish it at same point as follows.
Set an iron post 3 ft. long, 1 in. diam. 26 in. in ground for 1/4 sec. cor. marked on brass cap 1/4 S 4 on W half; S 3 on E half; dig pits 18X

Chains

18x12 in. N & S of post, 3 ft. dist; & raise a mound of earth 3½ ft. base, 1½ ft. high, W of cor. From this cor. the N.W. cor. of George Washington's cabin bears S. 37°20' E.

82.28 Intersect N. bdy. of Tp. at the cor. of secs. 3, 4, 33 & 34, heretofore described

Land gently rolling.

Soil, good sandy loam, 4 to 20 in. deep, medium texture, moist, on clay subsoil.

Good growth of sagebrush.

No timber.

April 19, 1911.

Apr. 20, 1911. In order to prove the point for cor. of secs. 27, 28, 33 & 34 is where I found remains of old cor, I begin at cor. of secs. 28, 29, 32 & 33 which is a cedar post, greatly decayed.

I destroy all traces of the old cor. and re-establish it at same point as follows

Set an iron post 3 ft. long, 2 in. diam. 24 in. in ground for cor of secs. 28, 29, 32 & 33 marked on brass cap

T28S S29 in NW

R10W S28 in NE

S33 in SE

S32 in SW, quadrant; dig pits 18x18x12 in. in each sec. 5½ ft. dist; & raise a mound of earth 4 ft. base, 2 ft. high, W of cor.

Thence I run

N 89°56' E on retracement line bet. secs. 28 & 33

40.22 Intersect ¼ sec. cor. which is a cedar post greatly decayed.

I destroy all traces of old cor. and re-establish it at same point as follows

Set an iron post 3 ft. long, 1 in. diam. 26 in. in ground for ¼ sec. cor. marked on brass cap ¼ S28 on N half; S33 on S half; dig pits 18x18x12 in. E & W of post 3 ft. dist; & raise a

Retracement of part of Subdivision of T28S R10W

Chains	
	mound of earth 3½ ft. base, 1½ ft. high, N of cor.
80.45	Intersect remains of old cor. of secs. 27, 28 33 & 34, which is a cedar post, badly decayed, marks nearly obliterated.
	I destroy all traces of old cor. and re-establish it at same point as follows-
	Set an iron post 3 ft. long 2 in. diam. 24 in. in ground for cor. of secs. 27, 28, 33 & 34, marked on brass cap
	T28S S28 in NW
	R10W S27 in NE
	S34 in SE
	S33 in SW quadrant; dig pits 18X18 X12 in. in each sec. 5½ ft. dist; & raise a mound of earth 4 ft. base 2 ft. high W of cor.
	Land, gently rolling.
	Soil, good brown sandy loam, 4 to 16 in. deep fine texture, moist, on clay subsoil.
	Good growth of sagebrush.
	No timber.
	Apr. 20, 1911. At 9h 29m. a. m. l. m. t. I set off 38°20' N on the lat. arc; 11°18' N on the decl. arc; & determine a true meridian with the solar at the cor. of secs. 3, 4, 33 & 34 on S. bdy. of Tp.
	Thence I run
	N0°19' W on retracement line bet. secs. 33 & 34.
	Over gently rolling land through sagebrush
10.40	Road Milford to Minersville bears N10°E & S10°W
28.25	Road, Milford to Minersville bears N11°W & S11°E
40.46	Set an iron post 3 ft. long, 1 in. diam. 26 in. in ground for ¼ sec. cor. marked on brass cap ¼ S33 on W half; S34 on E half; dig pits 18 X18X12 in. N & S of post 3 ft. dist; & raise a mound of earth 3½ ft. base, 1½ ft. high, W of cor.
48.32	R. M. B. Telephone line, Milford to Minersville bears N27°W
49.70	Road, Milford to Minersville bears N27°W

Retracement of part of Subdivision T28S R10W

Chaffin

80.92 The cor. of secs. 27, 28, 33 & 34.
Land, gently rolling.
Soil, light, brown sandy loam, 6 to 2 in. deep
medium texture, moist, on clay subsoil.
Growth of sagebrush.
No timber.

From cor. of secs. 28-29-32 and 33 I run
N. on retracement line bet. secs. 28 & 29.
Over level land through sagebrush.
27.70 Leave sagebrush; enter shadscale bears
N 80° W & S 80° E.
40.39 Fall 1 lk E of 1/4 sec. cor. which is a cedar post
greatly decayed.
I destroy all traces of old cor. and re-
establish it at same point as follows
Set an iron post 3 ft. long, 1 in. diam. 26 in.
in ground for 1/4 sec. cor. marked on brass
cap 1/4 S 29 on W half; S 28 on E half; dig pits
18 X 18 X 12 in. N & S of post, 3 ft. dist; & raise a
mound of earth 3 1/2 ft. base, 1 1/2 ft. high W of cor.
80.78 Fall 1 lk E of cor. of secs. 20, 21, 28 & 29 which
is a cedar post greatly decayed.
I destroy all traces of old cor. and re-
establish it at same point as follows
Set an iron post 3 ft. long, 2 in. diam. 24
in. in ground for cor. of secs. 20, 21, 28 & 29
marked on brass cap,
T 28 S S 20 in NW
R 10 W S 21 in NE
S 28 in SE
S 29 in SW, quadrant; dig pits 18 X 18 X 12 in
in each sec. 5 1/2 ft. dist; & raise a mound of
earth 4 ft. base, 2 ft. high, W of cor.
Land, level.
Soil, light brown clay loam, 10 to 12 in.
deep, medium texture, moist, clay subsoil.
Growth of sagebrush & shadscale
No timber.

Retracement of part of Subdivision T 28 S R 10 W

Chains	
	Apr. 20, 1911. At 3 h. 59 m. p. m. l. m. t. I set off 38° 22' N on the lat. arc; 11° 24' N on the decl. arc; & determine a true meridian with the solar at the cor. of secs. 20, 21, 28 & 29.
	Thence I run
	S 89° 55' E on retracement line bet. secs. 21 & 28
	Over gently rolling land through shadscale.
22.47	R. M. B. Telephone line, Milford to Minersville bears N 27° W.
23.30	Road, Milford to Minersville bears N 27° W & S 27° E.
38.00	Leave shadscale; enter sagebrush bears " N 40° W & S 40° E.
40.31	Intersect 1/4 sec. cor. which is a cedar post greatly decayed.
	I destroy all traces of the old cor. and re-establish it at same point as follows.
	Set an iron post 3 ft. long, 1 in. diam. 26 in. in ground for 1/4 sec. cor. marked on brass cap 1/4 S 21 on N half; S 28 on S half; dig pits 18 X 18 X 12 in. E & W of post, 3 ft. dist; & raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high, N of cor.
41.20	Wire fence bears N & S; enter Joseph McEwen's dry farm.
80.22	Auto road to Milford bears N 20° W & S 20° E.
80.61	Wire fence bears N 0° 16' W, also leave dry farm.
80.62	Intersect stump of cedar post in stone md.
	I destroy all traces of the old cor. and re-establish it at same point as follows
	Set an iron post 3 ft. long 2 in. diam. 24 in. in ground, for cor. of secs 21, 22, 27 & 28 marked on brass cap
	T 28 S S 21 in NW
	R 10 W S 22 in NE
	S 27 in SE
	S 28 in SW, quadrant; dig pits 18 X 18 X 12 in. in each sec. 5 1/2 ft. dist; & raise a mound of earth 4 ft. base, 2 ft. high, W of cor.
	Land, gently rolling.
	Soil, light brown sandy loam, 4 to 20 in. deep, medium texture, moist, on clay subsoil.

Retracement of part of Subdivision T 28 S R 10 W

Chains.	
	Growth of shadscale & sagebrush.
	No timber.
	April 20, 1911.
	Apr. 21, 1911. At 7h 59m. a.m. l.m.t. I set off 38° 22' N on the lat. arc; 11° 38' N on the decl. arc; & determine a true meridian with the solar at the cor. of secs. 20, 21, 28 & 29.
	Thence I run
	North on retracement line bet. secs. 20 & 21.
	Over level land through shadscale.
40.40	Fall 1 lk. W of old 1/4 sec. cor. which is a cedar post greatly decayed.
	I destroy all traces of the old cor. and re-establish it at the same point as follows.
	Set an iron post 3 ft. long, 1 in. diam. 26 in. in ground for 1/4 sec. cor. marked on brass cap 1/4 S 20 on W half; S 21 on E half; dig pits 18 x 18 x 12 in N & S of post, 3 ft. dist; & raise a mound of earth 3 1/2 ft. base; 1 1/2 ft. high W of cor.
43.81	R. M. B. Telephone line bears N 27° W & S 27° E.
46.00	Road, Milford to Minersville bears N 27° W & S 27° E.
80.81	Fall 1 lk. W of cor. of secs. 16, 17, 20 & 21, which is a cedar post, greatly decayed.
	I destroy all traces of the old cor. and re-establish it at same point as follows
	Set an iron post 3 ft. long, 2 in. diam. 24 in. in ground for cor. of secs. 16, 17, 20 & 21 marked on brass cap
	T 28 S S 17 in NW
	R 10 W S 16 in NE
	S 21 in SE
	S 20 in SW, quadrant; dig pits 18 x 18 x 12 in. in each sec. 5 1/2 ft. dist; & raise a mound of earth 4 ft. base, 2 ft. high, W of cor.
	Land, level
	Soil, light brown clay loam 6 to 17 in. deep fine texture, moist, on clay subsoil.
	Growth of shadscale.
	No timber.

Retracement of part of Subdivision T28S R10W.

S89°55'E on retracement line bet. secs. 16 & 21.
Over gently rolling land through shadscale.
20.00 NW cor. of fence of dry farm bears S. 70 lks.
Leave shadscale; enter sagebrush bears
N10°W & S10°E.
40.06 Intersect 1/4 sec. cor. which is a cedar post
greatly decayed.
I destroy all traces of the old cor. and re-
establish it at same point as follows
Set an iron post 3 ft. long, 1 in. diam. 26 in. in
ground for 1/4 sec. cor. marked on brass cap:
1/4 S16 on N half; S21 on S half; dig pits 18x18
x12 in. E & W of post, 3 ft. dist; & raise a mound
of earth 3½ ft. base, 1½ ft. high, N of cor.
64.20 Auto road to Milford, bears N10°W & S10°E.
66.00 Foot of low bench.
70.00 Top of bench 35 ft. high bears N & S.
80.12 Intersect stump of old cedar post cor.
I reestablish it at same point as follows
Set an iron post 3 ft. long, 2 in. diam. 24 in.
in ground for cor of secs. 15, 16, 21 & 22
marked on brass cap
T28S S16 in NW
R10W S15 in NE
S22 in SE
S21 in SW, quadrant; dig pits 18x18x12 in.
in each sec. 5½ ft. dist; & raise a mound of
earth 4 ft. base, 2 ft. high W of cor.
Land, gently rolling
Soil, light sandy loam, 6 to 20 in. deep, med-
ium texture, moist, clay subsoil.
Growth of shadscale & sagebrush.
No timber.

Apr. 21, 1911. At 9 h 59 m a. m. l. m. t. I set off
38°21' N on the lat. arc; 11°39' N on the decl. arc;
& determine a true meridian with the solar
at the cor of secs. 27, 28, 33 & 34.
Thence I run
North on retracement line bet. secs. 27 & 28.

Retracement of part of Subdivision J 28 S R 10 W

Chains	
	Over gently rolling land through sagebrush.
0.25	S E cor. of wire fence also S E cor. of Geo Atkins dry farm thence along wire fence.
40.35	Set an iron post 3 ft. long, 1 in. diam. 26 in. in ground for 1/4 sec. cor. marked on brass cap 1/4 S 28 on W half; S 27 on E half; dig pits 18 x 18 x 12 in. N & S of post 3 ft. dist; & raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high, W of cor.
77.00	N E cor. of Geo Atkins house bears W 5 lks.
80.20	Auto road to Milford bears N 20° W.
80.70	The cor. of secs. 21, 22, 27 & 28.
	Land, gently rolling.
	Soil, good brown sandy loam, 6 to 20 ins. deep medium texture, moist, on clay subsoil.
	Growth of sagebrush.
	No timber.
	N 0° 17' W on retracement line bet. secs. 21 & 22.
	Over gently rolling land, along wire fence, through sagebrush.
13.26	Wash 2 ft. deep, 25 lks. wide drains S 70° W.
40.42	Set an iron post 3 ft. long, 1 in. diam. 26 in. in ground for 1/4 sec. cor. marked on brass cap 1/4 S 21 on W half; S 22 on E half; dig pits 18 x 18 x 12 in N & S of post 3 ft. dist; & raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high, W of cor.
80.34	N. E. cor. of fence.
80.84	The cor. of secs. 15, 16, 21 & 22.
	Land, gently rolling.
	Soil, good brown sandy loam, 6 to 20 in. deep, medium texture, moist, clay subsoil.
	Growth of sagebrush.
	No timber.
	N 0° 10' E on retracement line bet. secs. 15 & 16
27.25	Wood road bears N 60° W & S 60° E.
28.96	The Beaver River Power Co's Pole line bears N 69° W & S 69° E.
40.43	Set an iron post 3 ft. long, 1 in. diam. 26 in. in ground for 1/4 sec. cor. marked on brass

Retracement of Part of Subdivision T28S R10W.

Chains	cap 1/4 S16 on W half; S15 on E half; dig pits 18x18x12 in. N & S of post 3 ft. dist; & raise a mound of earth 3 1/2 ft. base, 1/2 ft. high W of cor.
73.40	Road, Milford to Beaver, bears N65° W & S65° E.
73.60	Top of bench 30 ft. high bears N60° E & S60° W.
80.86	The remains of old cor. of secs. 9, 10, 15 & 16. I destroy all traces of the old cor. and re-establish it at same point as follows. Set an iron post 3 ft. long 2 in. diam. 24 in. in ground for cor. of secs. 9, 10, 15 & 16 marked on brass cap T28S S9 in NW R10W S10 in NE S15 in SE S16 in SW, quadrant; dig pits 18x18x12 in. in each sec. 5 1/2 ft. dist; & raise a mound of earth 4 ft. base, 2 ft. high, W of cor. Land, gently rolling. Soil, light-brown sandy loam 6 to 24 in. deep, medium texture, moist, clay subsoil. No timber.

Latitudes, departures, and closing errors.

Line designated	True bearing	Distance	Latitudes N	Latitudes S	Departu E	Departu W
		chs.	chs.	chs.	chs.	chs.
S bdy secs. 34, 35 & 36	S 89° 50' W	241.31		.70		241.3
E bdy sec 33	N 0° 19' W	80.92	80.92			.4
E bdy sec 28	North	80.70	80.70			
E bdy sec 21	N 0° 17' W	80.84	80.84			.4
E. bdy sec 16	N 0° 10' E	80.86	80.86		.24	
E bdy sec 9	N 0° 10' E	80.42	80.42		23	
E bdy sec 4	N 0° 05' W	82.28	82.28			.1
N bdy secs. 1, 2 & 3	East	242.00			242 00	
E bdy T 28 S R 10 W	South	485.54		485.54		
Convergency					28	
	Totals		486.02	486.24	242 75	242.1
				486.02	242 28	
			Error in Lat	22	47	Erro Dep

Part of Subdivision of T28S R10W

Chains	Sept. 26, 1910
	The S. bdy. of sec. 36 was previously retraced therefore the bearings are as stated by the Surveyor General and my chaining practically agrees with the field notes of the original survey.
	I commence at the cor. of secs. 1, 2, 35 & 36 on the S. bdy. of Tp: cor. before described.
	Thence I run
	N 0°01' W. bet. secs. 35 & 36
	Over stony mountainous land through scattering cedar timber and sagebrush; descend.
10.00	Leave mountainous stony land; enter rolling land bears E & W.
25.00	Wash 3 ft. deep, 12 lks. wide drains S 70° W.
40.00	Set an iron post 3 ft. long, 1 in. diam. 26 in. in ground for 1/4 sec. cor. marked on brass cap 1/4 S 35 on W half; S 36 on E half; from which
	A cedar tree 16 in. diam. bears
	S 55° E, 94 lks. dist. marked
	1/4 S 36 B J
	A cedar tree 9 in. diam. bears
	S 55° W, 59 lks. dist. marked
	1/4 S 35 B J
43.00	Wood road bears E & W
46.20	Wash 5 ft. deep, 15 lks. wide drains S 80° W
80.00	Set an iron post 3 ft. long, 2 in. diam. 24 in. in ground for cor of secs. 25, 26, 35 & 36 marked on brass cap
	T 28 S S 26 in N.W.
	R 10 W S 25 in N E
	S 36 in S E
	S 35 in S W, quadrant; from which
	A cedar tree 16 in. diam. bears
	N 40° E 55 lks. dist. marked
	T 28 S R 10 W S 25 B J
	A cedar tree, 10 in. diam. bears
	S 27° 30' E, 3.50 chs. dist. marked
	T 28 S R 10 W S 36 B J
	A cedar tree, 8 in. diam. bears

Part of Subdivision T 28 S R 10 W

Chains.	
	S 15° W, 1.85 chs. dist. marked
	T 28 S R 10 W S 35 B J
	A cedar tree, 6 in. diam. bears
	N 62° W, 50 lks. dist. marked
	T 28 S R 10 W S 26 B J
	S 10.00 chs. broken & hilly, slopes N.
	Soil, light poor sandy loam, washed & stony
	N 70.00 chs. gently rolling bench land,
	slope W.
	Soil, poor sandy loam, 4 to 10 in. deep,
	stony, moist, on gravel subsoil.
	Timber, cedar. Undergrowth, small sagebrush.
	Sept. 26, 1910. At this cor. I set off 1°06' S on the
	decl. arc; and at 11 h 52 m a.m. l. m. t. observe
	the sun on the meridian, the resulting
	lat. is 38° 21' N.
	N 89° 50' E on random line bet. secs. 25 & 36.
40.00	Set temp 1/4 sec. cor.
79.82	Intersect E bdy of Tp. 12 lks. N of cor. of secs.
	25, 30, 31 & 36. heretofore described
	Thence I run
	S 89° 55' W on true line bet. secs. 25 & 36.
	Over gently rolling stony land through
	scattering cedar timber & sagebrush.
2.50	Wash 10 ft. deep, 25 lks. wide, drains N 70° W.
25.00	Leave scattering; enter heavy cedar timber
	bears N 40° E & S 40° W.
39.91	Set an iron post 3 ft. long, 1 in. diam. 26 in.
	in ground for 1/4 sec. cor. marked on brass
	cap 1/4 S 25 on N half; S 36 on S half; from which
	A cedar tree, 16 in. diam. bears
	N 80° W, 27 lks. dist. marked
	1/4 S 25 B J
	A cedar tree, 10 in. diam. bears
	S 5° W, 18 lks. dist. marked
	1/4 S 36 B J
57.90	Wash 6 ft. deep, 15 lks. wide drains N 70° W
73.00	Wash 5 ft. deep 20 lks. wide drains N 80° W
75.00	Leave heavy; enter scattering cedar timber

Part of Subdivision T28S R10W

Chains	
	bears N 40° E & S 40° W
79.82	The cor. of secs. 25, 26, 35 & 36
	Land, high rolling bench sloping W.
	Soil, poor sandy loam, stony, 5 to 15 in. deep
	coarse texture, moist, clay & gravel subsoil
	Scattering growth of sagebrush.
	Timber, cedar.
	Sept. 26, 1910. At 1h 52m p.m. l.m.t. I set
	off 38°21' N on the lat. arc; 1°08' S on the decl.
	arc; & determine a meridian with the solar
	at the cor. of secs. 25, 26, 35 & 36.
	Thence I run
	N 0°01' W bet. secs. 25 & 26.
	Over gently rolling land through scattering
	cedar timber and sagebrush.
0.75	Wash 4 ft. deep, 25 lks. wide drains N 80° W.
7.00	Wash 3 ft. deep, 10 lks. wide, drains N 80° W.
20.00	Wash 7 ft. deep 18 lks. wide, drains N 80° W.
29.50	Wash 5 ft. deep 15 lks. wide, drains N 80° W.
36.40	Wood road bears N 40° E & S 40° W.
39.50	Wash 3 ft. deep, 16 lks. wide, drains N 80° W.
40.00	Set an iron post 3 ft. long 1 in. diam. 26 in.
	in ground for 1/4 sec. cor. marked on brass
	cap 1/4 S 26 on W half; S 25 on E half; from which
	A cedar tree, 6 in. diam. bears
	S 56° E, 88 lks. dist. marked
	1/4 S 25 B J
	A cedar tree, 5 in. diam. bears
	S 62° W, 2.55 chs. dist. marked
	1/4 S 26 B J
41.00	Leave scattering cedar bears N 30° E & S 30° W
74.00	Wash 5 ft. deep, 20 lks. wide drains N 80° W
80.00	Set an iron post 3 ft. long, 2 in. diam. 24 in.
	in ground for cor. of secs. 23, 24, 25 & 26
	marked on brass cap
	T 28 S S 23 in NW
	R 10 W S 24 in NE
	S 25 in SE
	S 26 in SW, quadrant dig pits 18 x 18 x 12

Part of Subdivision of T 28 S R 10 W.

Chains.	
	in. in each sec. 5½ ft. dist; & raise a mound of earth 4 ft. base, 2 ft. high, W of cor.
	Land, gently rolling.
	Soil, light sandy loam, stony, 4 to 12 in. deep, medium texture, moist, on clay & gravel subsoil.
	Growth of sagebrush.
	Timber, cedar.
	N 89°55' E on random line bet. secs. 24 & 25
40.00	Set temp. ¼ sec. cor.
79.76	Intersect E. bdy. of Tp. 9 lks. N. of cor. of secs. 19, 24, 25 & 30. heretofore described.
	Thence I run
	S 89°59' W on true line bet. secs. 24 & 25.
	Over gently rolling, stony, bench land sloping W, through heavy cedar timber and sagebrush.
37.55	Wood road bears N 30° E & S 30° W
38.00	Leave heavy; enter scattering cedar timber, bears N 40° E & S 40° W.
39.88	Set an iron post 3 ft. long, 1 in. diam, 26 in. in ground for ¼ sec. cor. marked on brass cap ¼ S 24 on N half; S 25 on S half; from which
	A cedar tree, 8 in. diam. bears
	N 25° E, 2.96 chs. dist, marked
	¼ S 24 B J
	A cedar tree, 10 in. diam. bears
	S 20° W., 86 lks. dist. marked
	¼ S 25 B J
59.75	Leave scattering cedar bears N 35° E & S 35° W.
67.75	Wood road bears N 60° W & S 60° E.
79.76	The cor. of secs. 23, 24, 25 & 26.
	Land, rolling bench sloping W
	Soil, light sandy loam, 4 to 10 in deep, stony, on gravel subsoil.
	Growth of sagebrush.
	Timber, cedar.
	Sept. 26, 1910

Part of Subdivision of T 28 S R 10 W

Chains	
	Sept. 30, 1910. At 7h 50m a.m. l.m.t. I set off 38° 22' N on the lat. arc; 2° 35' S on the decl. arc; and determine a true meridian with the solar at the cor. of secs. 23, 24, 25 & 26.
	Thence I run
	N 0° 01' W bet. secs. 23 & 24.
	Over gently rolling land through sagebrush.
10.00	Wood road bears N 55° W & S 55° E.
22.00	Wash 6 ft. deep 30 lks. wide, drains W.
40.00	Set an iron post 3 ft. long, 1 in. diam. 26 in. in ground for 1/4 sec. cor. marked on brass cap 1/4 S 23 on W half; S 24 on E half; dig pits 18 X 18 X 12 in. N & S of post, 3 ft. dist; & raise a mound of earth 3/2 ft. base, 1/2 ft. high, W of cor.
49.50	The Beaver River Power Co. pole line bears N 69° W & S 69° E.
80.00	Set an iron post 3 ft. long, 2 in. diam. 24 in. in ground for cor. of secs. 13, 14, 23 & 24. marked on brass cap T 28 S S 14 in NW R 10 W S 13 in NE S 24 in SE S 23 in SW, quadrant; from which a lone cedar tree, 6 in. diam. bears N 52° W, 2.77 chs. dist. marked T 28 S R 10 W S 14 B T
	Dig pits 18 X 18 X 12 in. in each sec. 5/2 ft. dist; & raise a mound of earth 4 ft. base, 2 ft. high W of cor.
	Land, gently rolling bench sloping W
	Soil, good brown clay loam, 6 to 16 in. deep medium texture, moist, on clay subsoil.
	Growth of sagebrush.
	No timber.
	N 89° 59' E on random line bet. secs. 13 & 24.
40.00	Set temp. 1/4 sec. cor.
79.70	Intersect E. bdy. of Tp. 21 lks. S of cor. of secs. 13, 18, 19 & 24. heretofore described.
	Thence I run
	S 89° 50' W on true line bet. secs. 13 & 24

Part of Subdivision of T28S R10W

Trans.	Over gently rolling land through scattering cedar timber and sagebrush.
25.00	Leave scattering cedar bears N40°E & S40°W
30.85	Wash 3 ft. deep, 12 lks. wide, drains N45°W.
39.85	Set an iron post 3 ft. long, 1 in. diam. 26 in. in ground for 1/4 sec. cor. marked on brass cap 1/4 S13 on N half; S24 on S half, dig pits 18X18X12 in. E & W of post, 3 ft. dist; & raise a mound of earth 3½ ft. base, 1½ ft. high, N of cor.
73.35	Road, Milford to Beaver bears N60°W & S60°E.
79.70	The cor. of secs. 13, 14, 23 & 24.
	Land, gently rolling bench, sloping W.
	Soil, good brown clay loam, 4 to 20 in. deep medium texture, moist, on clay subsoil
	Growth of sagebrush.
	Timber, scattering cedar.
	N0°01'W bet. secs. 13 & 14
	Over gently rolling bench land through sagebrush.
2.50	Road, Milford to Beaver bears N60°W & S60°E.
20.20	Wash, 2 ft. deep, 10 lks. wide drains N60°W.
20.50	Wood road bears N65°W & S65°E.
40.00	Set an iron post 3 ft. long, 1 in. diam. 26 in. in ground for 1/4 sec. cor. marked on brass cap 1/4 S14 on W half; S13 on E half; dig pits 18X18X12 in N & S of post 3 ft. dist; & raise a mound of earth 3½ ft. base, 1½ ft. high, W of cor.
80.00	Set an iron post 3 ft. long, 2 in. diam. 24 in. in ground for cor. of secs. 11, 12, 13 & 14 marked on brass cap T28S S11 in NW R10W S12 in NE S13 in SE S14 in SW, quadrant; dig pits, 18X18X12 in. in each sec. 5½ ft. dist; & raise a mound of earth 4 ft. base, 2 ft. high, W of cor.
	Land, gently rolling bench sloping W.
	Soil, good brown clay loam, 6 to 24 in. deep medium texture, moist, on clay subsoil.

Part of Subdivision of T28S R10W

Chains	
	Growth of sagebrush.
	No timber.
	N 89°50' E on random line bet. secs. 12 & 13.
40.00	Set temp. 1/4 sec. cor.
79.76	Intersect E bdy of Tp. 16 lks. N of cor. of secs. 7, 12, 13 & 18. heretofore described.
	Thence I run
	S 89°57' W on true line bet. secs. 12 & 13.
	Over gently rolling land, through sagebrush
30.00	Wood road bears N 80° W & S 80° E.
39.88	Set an iron post 3 ft. long, 1 in. diam. 26 in. in ground for 1/4 sec. cor. marked on brass cap 1/4 S 12 on N half; S 13 on S half; dig pits 18 x 18 x 12 in. E & W of post 3 ft. dist; & raise a mound of earth 3½ ft. base, 1½ ft. high, N of cor.
57.00	Wash 4 ft. deep, 14 lks. wide drains N 60° W.
79.76	The cor. of secs. 11, 12, 13, & 14.
	Land, gently rolling bench, sloping W.
	Soil, good brown sandy loam 4 to 24 in. deep medium texture, moist, clay subsoil.
	Growth of sagebrush.
	No timber.
	N 0°01' W bet. secs. 11 & 12.
	Over gently rolling land through sagebrush.
2.50	Wood road bears N 80° W & S 80° E.
14.00	Wash 4 ft. deep 20 lks. wide drains N 70° W
35.70	Wood road bears S 80° W & N 80° E.
40.00	Set an iron post 3 ft. long, 1 in. diam. 26 in. in ground for 1/4 sec. cor. marked on brass cap 1/4 S 11 on W half; S 12 on E half; dig pits 18 x 18 x 12 in. N & S of post 3 ft. dist; & raise a mound of earth 3½ ft. base, 1½ ft. high, W of cor.
60.15	Enter plowed ground bears E & W
63.25	Leave same, bears E & W.
80.00	Set an iron post 3 ft. long, 2 in. diam. 24 in. in ground for cor. of secs. 1, 2, 11 & 12 marked on brass cap
	T 28 S 2 in NW
	R 10 W S 1 in NE

Part of Subdivision of T28S R10W

Chains.	S12 in SE
	S11 in SW. quadrant; dig pits 18x18x12 in. in each sec. 5½ ft. dist; & raise a mound of earth 4 ft. base, 2 ft. high, W of cor.
	Land, gently rolling bench.
	Soil, good brown sandy loam, 6 to 20 in. deep, medium texture, moist, clay subsoil.
	Growth of sagebrush.
	No timber
	Sept. 30, 1910. At this cor. I set off 2°40' S on the decl. arc; and at 11h 50m a.m. l. m. t. observe the sun on the meridian, the resulting lat. is 38°24' N.
	The cor. of secs. 1, 6, 7 & 12 being plainly visible I run for said cor.
	N 89°55' E on random line bet. secs. 1 & 12.
40.00	Set temp. ¼ sec. cor.
79.84	Intersect E bdy. of Tp. at cor. of secs. 1, 6, 7 & 12. heretofore described. Thence I run
	S 89°55' W on true line bet. secs. 1 & 12.
	Over gently rolling land through sagebrush.
39.92	Set an iron post 3 ft. long, 1 in. diam. 26 in. in ground for ¼ sec. cor. marked on brass cap ¼ S1 on N half; S12 on S half; dig pits 18x18x12 in. E & W of post 3 ft. dist; & raise a mound of earth 3½ ft. base, 1½ ft. high, N of cor.
79.84	The cor. of secs. 1, 2, 11 & 12.
	Land, gently rolling, sloping W.
	Soil, good brown sandy loam, 4 to 20 in. deep medium texture, moist, on clay subsoil.
	Growth of sagebrush.
	No timber.
	N 0°01' W on random line bet. secs. 1 & 2.
40.00	Set temp ¼ sec. cor.
85.60	Intersect N bdy. of Tp. 7 lks. E of cor. of secs. 1, 2, 35 & 36, which is an iron post, before described.
	Thence I run
	S 0°04' E on true line bet. secs. 1 & 2

Part of Subdivision of T 28 S R 10 W.

Chains.	
	Over gently rolling land through sagebrush.
15.80	Hollow 30 ft. deep, drains S 40° W.
22.85	Wood road bears N 65° W & S 65° E.
39.20	Wash, in hollow, 3 ft. deep, 12 lks. wide drains S 60° W.
44.95	Hollow drains S 60° W.
45.60	Set an iron post 3 ft. long, 1 in. diam. 26 in. in ground for 1/4 sec. cor. marked on brass cap 1/4 S 2 on W half; S 1 on E half; dig pits 18 x 18 x 12 in. N & S of post 3 ft. dist; & raise a mound of earth 3½ ft. base, 1½ ft. high, W of cor.
47.50	Hollow 50 ft. deep 3 chs wide drains S 70° W.
85.60	The cor. of secs. 1, 2, 11 & 12.
	Land, gently rolling bench sloping W.
	Soil, good brown sandy loam, 6 to 24 in. deep, medium texture, moist, clay subsoil.
	Growth of sagebrush.
	No timber.
	Sept. 30, 1910.
	Sept. 28, 1910. At 8 h 51 m. a. m. l. m. t. I set off 38° 20' N on the lat. arc; 1° 50' S on the decl. arc; & determine a true meridian with the solar at the cor. of secs. 2, 3, 34, & 35 on S bdy. of Tp. heretofore described. Thence I run
	N 0° 01' W bet. secs 34 & 35
	Over, along rolling land through sagebrush.
2.35	Wood road bears N 40° E & S 40° W.
31.90	Wash 2 ft. deep, 16 lks. wide drains W.
33.00	Wood road bears E & W.
40.00	Set an iron post, 3 ft. long, 1 in. diam. 26 in. in ground for 1/4 sec. cor. marked on brass cap 1/4 S 34 on W half; S 35 on E half; dig pits 18 x 18 x 12 in. N & S of post; 3 ft. dist; & raise a mound of earth 3½ ft. base, 1½ ft. high W of cor.
40.75	Wash 3 ft. deep, 30 lks. wide drains W.
80.00	Set an iron post 3 ft. long, 2 in. diam. 24 in. in ground for cor. of secs. 26, 27, 34 & 35 marked on brass cap
	T 28 S S 27 in NW

Part of Subdivision of T28S R10W.

Chains	R10W S26 in NE
	S35 in SE
	S34 in SW, quadrant; raise a mound of stone 2 ft. base 1½ ft. high W of cor.
	Pits impracticable.
	Land, gently rolling bench sloping W
	Soil, light sandy loam, stony, 6 to 10 in. deep, coarse texture, moist, gravel subsoil.
	Growth of sagebrush.
	No timber.
	N89°50'E on random line bet. secs. 26 & 35
40.00	Set temp ¼ sec. cor.
80.00	Intersect N & S line 5 lks N of cor. of secs. 25, 26, 35 & 36.
	Thence I run
	S89°52' W on true line bet. secs. 26 & 35
	Over gently rolling stony land through scattering cedar timber and sagebrush
11.20	Wood road bears N30°E & S30°W.
40.00	Set an iron post 3 ft. long, 1 in. diam. 26 in. in ground for ¼ sec. cor. marked on brass cap ¼ S26 on N half; S35 on S half; from which
	A cedar tree, 12 in. diam. bears S5°E, 3.34 chs. dist. marked ¼ S35 BJ
	A cedar tree, 10 in. diam. bears N75°W, 2.53 chs. dist. marked ¼ S26 BJ
55.00	Leave scattering cedar bears N40°E & S40°W.
80.00	The cor. of secs. 26, 27, 34 & 35.
	Land, gently rolling bench sloping W.
	Soil, light-brown sandy loam, stony coarse texture, moist, gravel subsoil
	Growth of sagebrush.
	Timber, cedar.
	Sept. 28, 1910.
	Apr. 20, 1911.
	S89°50' W on true line bet. secs. 27 & 34.

Part of Subdivision of T 28 S R 10 W

Chains	
	Over gently rolling stony land through sagebrush.
40.00	Set an iron post 3 ft. long, 1 in. diam. 26 in in ground for 1/4 sec. cor. marked on brass cap 1/4 S 27 on N half; S 34 on S half; dig pits 18 x 18 x 12 in. E & W of post 3 ft. dist; & raise a mound of earth 3 1/2 ft. base 1 1/2 ft. high N of cor.
70.35	Auto road to Milford bears N 20° W & S 20° E.
82.04	Intersect N & S line 1.04 chs S 0° 19' E of cor. of secs. 27, 28, 33 & 34.
	Set an iron post 3 ft. long, 2 in. diam. 24 in. in ground for closing cor. of secs 27 & 34 marked on brass cap T 28 S R 10 W on N half CC S 28 S 33 on W half S 27 in NE S 34 in SE, quadrant; dig pits 24 x 18 x 12 in crosswise on each line N & S 3 ft. & E of post 7 ft. dist; & raise a mound of earth 4 ft. base, 2 ft. high E of cor.
	Obliterate all marks on cor. of secs. 27, 28, 33 & 34 that pertain to secs. 27 & 34.
	Land, gently rolling bench.
	Soil, light brown sandy loam, stony 4 to 6 in. deep, medium texture, moist, gravel & clay subsoil.
	Growth of sagebrush.
	No timber.
	Apr. 20, 1911.
	Sept. 28, 1910
	N 0° 01' W bet. secs. 26 & 27.
	Over gently rolling stony land through sagebrush.
2.80	Wash 2 ft. deep 50 lks. wide drains W.
40.00	Set an iron post 3 ft. long, 1 in. diam. 26 in. in ground for 1/4 sec. cor. marked on brass cap 1/4 S 27 on W half; S 26 on E half; dig pits 18 x 18 x 12 in. N & S of post, 3 ft. dist; & raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high. W of cor.

Part of Subdivision of T28S R10W.

Course: Sept. 28, 1910. At this cor. I set off 1°53' S on the decl. arc; and at 11 h 51 m. a.m. l.m.t. observe the sun on the meridian, the resulting lat. is 38°21' N.

79.50 Wash 5 ft. deep, 50 lks. wide drains N 80° W.

80.00 Set an iron post 3 ft. long, 2 in. diam. 24 in. in ground for cor. of secs. 22, 23, 26, & 27 marked on brass cap

T28S S22 in NW

R10W S23 in NE

S26 in SE

S27 in SW, quadrant; raise a mound of stone 2 ft. base, 1½ ft. high W of cor.

Pits impracticable.

Land, gently rolling bench sloping W.

Soil, light poor sandy loam, very stony, 4 to 14 in. deep, coarse texture, moist, gravel subsoil.

Growth of sagebrush.

No timber.

N 89°52' E on random line bet. secs. 23 & 26.

40.00 Set temp 1/4 sec. cor.

79.90 Intersect N & S line 23 lks. N of cor. of secs. 23, 24, 25 & 26.

Thence I run

N 89°58' W on true line bet. secs. 23 & 26.

Over gently rolling stony bench land, through sagebrush.

36.00 Set an iron post 3 ft. long, 1 in. diam. 26 in. in ground for witness cor. to 1/4 sec. cor. marked on brass cap, WC 1/4 S23 on N half S26 on S half; dig pits 18X18X12 in. E & W of post 3 ft. dist; & raise a mound of earth 3½ ft. base, 1½ ft. high N of cor.

38.00 Enter wash, drains W

40.00 Falls in wash, 6 ft. deep, 1.05 ch. wide

114.00 Leave wash, drains S 80° W.

79.90 The cor. of secs 22, 23, 26 & 27.

Land, gently rolling bench land, sloping W.

Chains

Soil, brown sandy loam, stony, 6 to 12 in. deep, coarse texture, moist, clay & gravel subsoil.
Growth of sagebrush.
No timber.

Sept. 28, 1910.

Apr. 21, 1911.
S 89° 50' W on true line bet. secs. 22 & 27.
Over gently rolling stony land through sagebrush.

2.30 Wash 8 ft. deep 25 lks. wide, drains N 80° W.

40.00 Set an iron post 3 ft. long, 1 in. diam. 26 in. in ground for 1/4 sec. cor. marked on brass cap 1/4 S 22 on N half; S 27 on S half; dig pits 18 x 18 x 12 in. E & W of post, 3 ft. dist; & raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high N of cor.

81.00 Auto road to Milford bears N 10° W & S 10° E.

82.00 Intersect N & S line 1.80 chs S of cor. of secs. 21 22, 27 & 28.
Set an iron post 3 ft. long, 2 in. diam. 24 in. in ground for closing cor. of secs. 22 & 27 marked on brass cap
T28S R10W on N half
C C S 21 & 28 on W half
& 22 in NE
& 27 in SE, quadrant; dig pits 24 x 18 x 12 in. crosswise on line N & S 3 ft, & E of post 7 ft. dist, & raise a mound of earth 4 ft. base 2 ft. high E of cor.
I obliterate all marks on cor. of secs. 21, 22, 27 & 28, that pertain to secs. 22 & 27.
Land, gently rolling bench.
Soil, good brown sandy loam, some stones, 4 to 20 in. deep, medium texture, moist, gravel & clay subsoil.
Growth of sagebrush.
No timber.
Apr. 21, 1911. At this cor. I set off 11° 41' N on the decl. arc; and at 11 h 59 m a.m. L. m. t. observe the

Sept. 28 run on the meridian, the resulting lat. is 38°22' N.

April 21, 1911

Sept. 28, 1910. At 2h 51m. p.m. l.m.t. I set off 38°22' N on the lat. arc; 1°56' S on the decl. arc; and determine a true meridian with the solar at the cor. of secs. 22, 23, 26 & 27.
Thence I run
N 0°01' W bet. secs. 22 & 23.
Over gently rolling land through sagebrush.
16.50 Wash 5 ft. deep, 20 lks. wide, drains W.
40.00 Set an iron post 3 ft. long, 1 in. diam. 26 in. in ground for 1/4 sec. cor. marked on brass cap 1/4 S 22 on W half; S 23 on E half; dig pits 18 x 18 x 12 in. N & S of post 3 ft. dist. & raise a mound of earth 3/2 ft. base, 1/2 ft. high W of cor.
59.40 Wood road bears N 60° W & S 60° E.
79.85 The Beaver River Power Co's pole line bears N 69° W & S 69° E.
80.00 Set an iron post 3 ft. long, 2 in. diam. 24 in. in ground for cor. of secs. 14, 15, 22 & 23 marked on brass cap
T 28 S S 15 in NW
R 10 W S 14 in NE
S 23 in SE
S 22 in SW, quadrant; dig pits 18 x 18 x 12 in. in each sec. 5/2 ft. dist; & raise a mound of earth 4 ft. base, 2 ft. high W of cor.
Land, gently rolling bench.
Soil, good brown sandy loam, 6 to 18 in. deep, gravel & clay subsoil.
Growth of sagebrush.
No timber.

Sept. 28, 1910

Sept. 30, 1910. At 2h 50m. p.m. l.m.t. I set off 38°20' N on the lat. arc; 2°42' S on the decl. arc; & determine a true meridian with the solar at the cor. of secs. 14, 15, 22 & 23

Part of Subdivision of T28S R10W.

Chains.	
	Thence I run
	S 89°58' E on random line bet. secs. 14 & 23
40.00	Set temp. 1/4 sec. cor.
79.72	Intersect N & S line 14 lks. S of cor. of secs. 13, 14 23 & 24.
	Thence I run
	S 89°56' W on true line bet. secs. 14 & 23
	Over gently rolling land, through sagebrush.
35.70	Wash 3 ft. deep, 12 lks. wide, drains N.
39.86	Set an iron post 3 ft. long, 1 in. diam. 26 in. in ground for 1/4 sec. cor. marked on brass cap 1/4 S 14 on N half; S 23 on S half; dig pits 18 x 18 x 12 in. E & W of post, 3 ft. dist; & raise a mound of earth 3½ ft. base, 1½ ft. high, N of cor.
79.72	The cor. of secs. 14, 15, 22 & 23.
	Land, gently rolling bench sloping W.
	Soil, good brown clay loam, 6 to 20 in. deep medium texture, moist, clay subsoil.
	Growth of sagebrush.
	No timber.
	Sept. 30, 1910.
	April 21, 1911.
	S 89°50' W on true line bet. secs. 15 & 22.
	Over gently rolling land through sagebrush.
0.40	The Beaver River Power Co's pole line bears N 69° W & S 69° E.
35.00	Wood road bears N 60° W & S 60° E.
40.00	Set an iron post 3 ft. long, 1 in. diam. 26 in. in ground for 1/4 sec. cor. marked on brass cap 1/4 S 15 on N half; S 22 on S half; dig pits 18 x 18 x 12 in. E & W of post, 3 ft. dist; & raise a mound of earth 3½ ft. base 1½ ft. high, N of cor.
82.40	Intersect N & S line 2.65 chs. S 0°17' E of cor. of secs. 15, 16, 21, & 22.
	Set an iron post 3 ft. long, 2 in. diam. 24 in. in ground for closing cor. of secs. 15 & 22, marked on brass cap
	T 28 S R 10 W on N half
	C C S 16 S 21 on W half

Part of Subdivision of T28S R10W

Sec. 22 S15 in NE

S22 in SE, quadrant; dig pits 24x18x12 in. crosswise on each line N & S 3 ft., & E of post 7 ft. dist; & raise a mound of earth 4 ft. base 2 ft. high E of cor.

Obliterate all marks on cor. of secs. 15, 16, 21 & 22, that pertain to secs. 15 & 22.

Land, gently rolling bench sloping W.

Soil, good brown clay loam, 4 to 20 in. deep medium texture, moist, clay subsoil.

Growth of sagebrush.

No timber.

Apr. 21, 1910.

Sept. 30, 1910.

N 0°01' W bet. secs. 14 & 15

Pur gently rolling land through sagebrush.

38.80 Wash 2 ft. deep, 10 lks. wide, drains N 50° W

39.30 Road. Milford to Beaver bears N 60° W & S 60° E.

40.00 Set an iron post 3 ft. long, 1 in. diam. 26 in. in ground for 1/4 sec. cor. marked on brass cap 1/4 S15 on W half; S14 on E half; dig pits 18x15x12 in. N & S of post, 3 ft. dist; & raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high, W of cor.

48.75 Wash 2 ft. deep, 12 lks. wide, drains N 60° W.

50.00 Set an iron post 3 ft. long, 2 in. diam. 24 in. in ground for cor. of secs. 10, 11, 14 & 15 marked on brass cap

T28S S10 in NW

R10W S11 in NE

S14 in SE

S15 in SW, quadrant; dig pits 16x18x12 in. in each sec. 5 1/2 ft. dist; & raise a mound of earth 4 ft. base, 2 ft. high, W of cor.

Land, gently rolling bench sloping W.

Soil, good brown clay loam 6 to 24 in. deep medium texture, moist, clay subsoil.

Growth of sagebrush.

No timber

Part of Subdivision of T28S R10W

Chains.	
	The cor. of secs. 11, 12, 13 & 14 being plainly visible, I run for said cor
	N 89°54' E on random line bet. secs. 11 & 14.
40.00	Set temp. 1/4 sec. cor.
79.88	Intersect N & S line at cor. of secs. 11, 12, 13 & 14.
	Thence I run
	S 89°54' W on true line bet. secs. 11 & 14.
	Over gently rolling land through sagebrush.
39.94	Set an iron post 3 ft. long, 1 in. diam. 26 in. in ground for 1/4 sec. cor. marked on brass cap 1/4 S11 on N half; S14 on S half; dig pits 18x18x12 in E & W of post, 3 ft. dist; & raise a mound of earth 3½ ft. base, 1½ ft. high, N of cor.
42.70	E. Van Sleets dug out cabin on line.
114.80	Enter plowed ground bears N & S: 10.00 chs wide
75.00	Leave same bears N & S
79.88	The cor. of secs. 10, 11, 14 & 15.
	Land, gently rolling bench sloping W.
	Soil, good brown clay loam, 8 to 26 in. deep medium texture, moist, on clay subsoil.
	Growth of sagebrush.
	No timber
	Sept. 30, 1910
	April 21, 1911.
	S 89°50' W on true line bet. secs. 10 & 15.
	Over gently rolling land sloping W, through sagebrush.
28.40	SW cor. of Joseph Mc Ewens cabin bears N45W.
40.00	Set an iron post 3 ft. long, 1 in. diam. 26 in. in ground for 1/4 sec. cor. marked on brass cap 1/4 S10 on N half; S15 on S half; dig pits 18x18x12 in. E & W of post 3 ft. dist; & raise a mound of earth 3½ ft. base, 1½ ft. high N of cor.
	From this cor. SW cor. of Joseph Mc Ewens' cabin bears N5°30' E.
43.50	Wash 6 ft. deep 12 lks. wide, drains N 40° W.
78.00	Top of bench 50 ft. high bears N70° E & S70° W.
82.17	Intersect N & S line 3.41 chs. S 0°10' W of cor. of secs. 9, 10, 15 & 16

Part of Subdivision of T28S R10W.

Drains | Set an iron post 3 ft. long, 2 in. diam. 24 in. in ground for closing cor. of secs. 10 & 15 marked on brass cap
T28S R10W on N half
C C S 9 S16 on W half
S10 in NE
S15 in SE, quadrant; dig pits 24×18×12 in. crosswise on line, N & S 3 ft, & E of post 7 ft. dist; & raise a mound of earth 4 ft. base, 2 ft. high, E of cor.
I obliterate all marks ~~on marks~~ on cor. of secs. 9, 10, 15 & 16 that pertain to secs. 10 & 15.
Land, gently rolling bench sloping W.
Soil, good brown clay loam, 6 to 20 in. deep medium texture, moist, clay subsoil.
Growth of sagebrush.
No timber

April 21, 1911.

Oct 1, 1910. At 1 h 50 m. p. m. l. m. t. I set off 38° 23' N on the lat. arc; 3° 05' S on the decl. arc & determine a meridian with the solar at the cor. of secs. 10, 11, 14 & 15.
Thence I run
N 0° 01' W bet. secs. 10 & 11
Over gently rolling bench land through sagebrush.

3.85 Wood road bears E & W.
4.00 Line of cedar posts bears E & W.
4.10 Enter plowed ground bears E & W.
6.80 Leave same, bears E & W
24.20 Wood road bears E & W.
40.00 Set an iron post 3 ft. long, 1 in. diam. 26 in. in ground for 1/4 sec. cor. marked on brass cap 1/4 S10 on W half; S11 on E half; dig pits 18×18×12 in. N & S of post, 3 ft. dist; & raise a mound of earth 3½ ft. base 1½ ft. high W of cor.
60.00 Wash 4 ft. deep, 40 lks. wide, drains N 80° W.
80.00 Set an iron post 3 ft. long, 2 in. diam. 24 in. in ground for cor. of secs. 2, 3, 10 & 11, marked

Part of Subdivision of T28 S R10 W.

Chains	on brass cap.
	T28 S S3 in NW
	R10 W S2 in NE
	S11 in SE
	S10 in SW, quadrant; dig pits 18X18X12 in.
	in each sec. 5½ ft. dist; & raise a mound of
	earth, 4 ft. base, 2 ft. high W of cor.
	Land, gently rolling bench sloping W.
	Soil, good brown clay loam, 6 to 24 in. deep
	medium texture, moist, clay subsoil.
	Growth of sagebrush.
	No timber.
	N 89°54' E on random line bet. secs. 2 & 11
40.00	Set temp ¼ sec. cor.
80.02	Intersect N & S line 7 lks. N. of cor. of secs. 1, 2, 11 & 12
	Thence I run
	S 89°57' W on true line bet. secs. 2 & 11.
	Over gently rolling land through sagebrush.
40.01	Set an iron post 3 ft. long, 1 in. diam. 26 in.
	in ground for ¼ sec. cor. marked on brass
	cap ¼ S 2 on N. half; S 11 on S half; dig pits 18X
	18X12 in. E & W of post; 3 ft. dist; & raise a
	mound of earth 3½ ft. base, 1½ ft. high, N of cor.
61.00	Wash 1 ft. deep, 6 lks. wide, drains N 70° W.
80.02	The cor. of secs. 2, 3, 10 & 11.
	Land, gently rolling bench sloping W.
	Soil, good brown clay loams, 8 to 20 in. deep.
	medium texture, moist, clay subsoil.
	Growth of sagebrush.
	No timber.
	S 89°50' W on true line bet. secs. 3 & 10.
	Over gently rolling land through sagebrush.
20.00	Wash 2 ft. deep, 10 lks. wide, drains S 40° W.
40.00	Set an iron post 3 ft. long, 1 in. diam. 26 in.
	in ground for ¼ sec. cor. marked on brass
	cap ¼ S 3 on N. half; S 10 on S half; dig pits
	18X18X12 in. E & W of post, 3 ft. dist; & raise a
	mound of earth 3½ ft. base, 1½ ft. high, N of cor.

Part of Subdivision of T28S R10W.

Chains.

81.81 Intersect N&S line 3.67chs. S0°10'W, of cor. of secs. 3, 4, 9&10.
Set an iron post 3 ft. long, 2in. diam. 24in in ground for closing cor. of secs. 3&10, marked on brass cap
T28S R10W on N half
CCS 4S 9 on W half
S 3 in NE
S 10 in SE, quadrant; dig pits 24x18x12in crosswise on line, N&S 3ft, & E of post, 7ft. dist. & raise a mound of earth 4ft. base, 2 ft. high E of cor.
Obliterate all marks on cor. of secs. 3, 4, 9&10 that pertain to secs. 3&10.
Land, gently rolling sloping W.
Soil, good brown clay loam, 6 to 20in. deep fine texture, moist on clay subsoil.
Growth of sagebrush.
No timber.

N0°01'W on random line bet. secs. 2&3.
40.00 Set temp 1/4 sec. cor.
85.72 Intersect N. bdy. of Tp. 7 lks W of cor. of secs. 2, 3, 34&35.
Thence I run
S0°02'W on true line bet. secs. 2&3.
Over gently rolling bench land through sagebrush.
41.00 Hollow 40 ft. deep, 5.00 chs. wide drains W
45.72 Set an iron post 3 ft. long, 1in. diam. 26in in ground for 1/4 sec. cor. marked on brass cap 1/4 S 3 on W half; S 2 on E half; dig pits 18x18x12in N&S of post, 3 ft. dist; & raise a mound of earth 3½ ft. base, 1½ ft. high, W of cor.
72.80 Wash 4 ft. deep, 12 lks. wide, drains N 80°W
79.20 Wash 6 ft. deep, 50 lks. wide, drains W.
85.72 The cor. of secs. 2, 3, 10&11.
Land, gently rolling bench sloping W
Soil, good brown clay loam, 6 to 20in. deep medium texture, moist, clay subsoil.
No timber, Growth of sagebrush.

Oct. 1, 1910.

General Description

This fractional township contains gently rolling bench and mountainous land.

The soil ranges from poor sandy to good clay loam.

The soil on the benches is good brown clay loam.

The mountains of this fractional township, which are in sec. 3 are rocky and stony; the balance is gently rolling bench land.

Under modern dry farming methods fair crops of corn or wheat can be produced.

This fractional township is covered with a good growth of sagebrush.

Scrubby cedar timber is found in sec. 36, in the eastern part of sec. 25 and 35.

This fractional township is exposed to hot south winds, very detrimental to vegetation.

In sec. 28 there is a dry farm owned by George Allen, which produces from 10 to 12 bu. of corn or wheat per acre, and wet seasons small crops of potatoes are raised.

D. Sidwick owns a small cabin on the quarter of sec. 13, valued at $20.00.

E. Van Slyk owns a small cabin on the line between sec. 11 & 12 and has planted about 10 acres of ground, valued at $20.00.

George Washington (colored) owns a small cabin in SW quarter of sec. 3, valued at $10.00.

Joseph McLean owns a small cabin on sec. 10 valued at $20.00.

John W. Douglas
H. S. Hamilton

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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 John W. Dougall, United States ~~Deputy Surveyor~~ Transitman, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of T. 28 S. R. 10 W. S. L. B. & M.

showing the respective capacities in which they acted:

William B. Clark, *Chainman.*
Willis W. Pitmore, *Chainman.*
Emmett Harmer, *Moundman.*
, *Moundman.*
, *Axman.*
P, *Axman.*
Ralph A. Grosbeck, *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted John W. Dougall, United States ~~Deputy Surveyor~~ Transitman, in surveying all those parts or portions of the T. 28 S. R. 10 W. of the Salt Lake Base & Meridian, in the state of Utah, which are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for Utah.

William B. Clark, *Chainman.*
Willis W. Pitmore, *Chainman.*
Emmett Harmer, *Moundman.*
, *Moundman.*
, *Axman.*
, *Axman.*
Ralph A. Grosbeck, *Flagman.*

Subscribed and sworn to before me this first day of May, 1911

John W. Dougall
U. S. Transitman

For final oath of Sharp as Flagman see book "F" T. 28 S. R. 9 W.
For final oaths of remaining assistants for 1910 see book "H" T. 27 S. R. 9 W.

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 transitman see book "H" T.27 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, Sept.16, 1913.

The foregoing field notes of the survey of the subdivisional lines of Township No.28 South, Range No.10 West of the Salt Lake Base and Meridian, Utah, also resurvey of East and part of North Boundaries of T.28 S. R.10 W. of the S.L.B.& M., Utah,

executed by John W.Dougall under his ~~contract~~ special instructions, dated August 6, 1910, 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-381

FILED
APR 1 1911

M.S.B.

FIELD NOTES

OF THE SURVEY OF THE

EAST AND NORTH BOUNDARIES

O F

TOWNSHIP NO. 28 SOUTH

RANGE NO. 9 WEST

Of the SALT LAKE BASE AND *Meridian,*

U T A H,

AS SURVEYED BY

John W. Dougall, [illegible], U.S.G.S., *United States* ~~*Deputy Surveyor*~~ Transitman,

under his ~~*Contract*~~ Assignment Group *No.* 5, *dated* August 6, 1910, *190*

Survey commenced October 3, 1910, *190*

Survey completed October 7, 1910, *190*

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E Bdy: 60525
N Bdy 60325

BOOK A-381

NAMES AND DUTIES OF ASSISTANTS.

George W Daniel, chainman
Edwin Garn, chainman
Willis Whitmore, moundman
Fred Sharp, flagman

For preliminary affidavits see book "B" T. 29 S., R. 9 W.

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BOOK A-381

INDEX DIAGRAM.

Township 2 S, *Range* 5 W

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

Meanders Page

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PRELIMINARY OATHS OF ASSISTANTS.

We, ... and .....
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level
chain 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
.....

..... *Mound*

..... *Mound*

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

..... *Axm*

..... *Axm*

Subscribed and sworn to before me this .....
day of ....., 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 th
survey of .....

....., *Flagman*

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

SEAL

6—151

East Boundary of T28S R9W

Survey commenced Oct 3, 1910, and executed with a W+L.E. Gurley light mountain transit, no No, with solar attachment.

For a complete description of the instrument see book A.

Oct 1-1910. At my camp S.W. Cor. Sec. 23 I set a hub firmly in the ground and on Oct 2 at 00 h 49 m. a. m. l. m. t. observe Polaris at its upper culmination in accordance with Manual of instructions, and mark the true meridian thus determined by cutting a small groove in a stone, firmly set 5.00 chs N of my station.

Oct 2, 1910. At 11 h 50 m. a. m. l. m. t. I set off 3°26' S on the decl. arc; and observe the sun on the meridian the resulting lat is 38°22' N. —

At 3 h 50 m. p. m. l. m. t I set off 38°22' N on the lat. arc; 3°29' S on the decl. arc: and mark a point in the meridian determined with the solar by a cross on the stone already set 5.00 chs N of my station: this mark falls 0.3 in east of the meridian established by the Polaris observation.

Oct 3, 1910. At 7 h 49 m a. m. l. m. t I set off 38°22' N on the lat. arc; 3°45' S on the decl. arc: and mark a point in the meridian determined with the solar by a cross on the stone already set 5.00 chs N of my station: this falls 0.2 in west 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 0'10" W of the meridian established by the Polaris observation: therefore I conclude the adjustments of the instrument are satisfactory.

Oct 3, 1910. At 9 h 49 m a. m. l. m. t. I set off 38°26' N on the lat. arc; 3°48' S on the decl. arc; and determine a true meridian with the solar at the C C of T28 & 29 S R9W.

Thence I run

N bet secs 31 & 36.

Over rough mountainous land through heavy

East Boundary of T28S R9W

chains	
	cedar and pitch pine timber, ascend.
8.00	Spur projects S 40° E 100 ft above cor. descend.
20.00	Draw drains S 40° E 250 ft below spur, ascend.
38.00	Low spur projects S 25° E, 150 ft above draw, descend.
40.00	Set an iron post 3 ft long, 1 in. diam. 26 in. in ground for 1/4 sec. cor. marked on brass cap 1/4 S 36 on W half; S 31 on E half; from which
	A cedar tree, 24 in. diam. bears
	N 44° E, 27 lks. dist. marked
	1/4 S 31 B J
	A cedar tree, 10 in. diam. bears
	S 78° W, 34 lks dist. marked
	1/4 S 36 B J
	Oct 3, 1910. At this cor. I set off 3° 50' S on the decl. arc; and at 11 h 49 m a.m. l. m. t. observe the sun on the meridian; the resulting lat. is 38° 26' N
42.25	Draw drains S 25° E, 150 ft below spur, ascend.
53.25	Spur projects S 35° E, 300 ft. above draw, descend.
54.00	Leave heavy pitch pine and cedar timber. Enter scattering pitch pine and cedar timber; oak & mahogany underbrush bears N 30° W, & S 30° E.
65.00	Enter large granite blocks from 10 to 30 ft. diam.
80.00	Set an iron post, 3 ft long, 3 in. diam. 24 in. in ground for cor. of secs. 25, 30, 31 & 36 marked on brass cap
	T 28 S on N half
	R 9 W S 25 in NW
	R 8 W S 30 in NE
	S 31 in SE
	S 36 in SW quadrant; from which
	A pitch pine tree, 6 in. diam. bears
	N 77° E, 45 lks. dist. marked
	T 28 S R 8 W, S 30, B J
	A pitch pine tree, 5 in. diam. bears
	S 64° E, 1.00 ch. dist. marked
	T 28 S R 8 W S 31 B J
	A pitch pine tree, 6 in. diam. bears
	S 14° W, 1.03 chs. dist. marked
	T 28 S R 9 W S 36 B J
	A pitch pine tree, 10 in. diam. bears

East Boundary of T 28 S R 9 W.

chains

N. 75° W., 2.04 chs. dist. marked
T 28 S R 9 W S 25 B.T.
This cor is 300 ft below spur.
Sand mountainous, draining S.E.
Soil, S 65.00 chs, light sand and loose stones with some clay, 3 to 9 in. deep on clay and granite subsoil; all slopes washed to some extent; draws covered with loose washed stones.
N 15.00 chs covered with large granite blocks.
Timber cedar and pitch pine.
Undergrowth oak & mahogany.
Mountainous land 80.00 chs.
Oct 3. 1910.

Oct 11, 1910. At 8h 11.9m. a. m. l. m. t. I set off 38°21' N on the lat. arc; 4°10' S on the decl. arc; and determine a true meridian with the solar at the cor of secs 25, 30, 31 & 36.
Thence I run
N. bet secs 25 & 30.
Over mountainous land through scattering pitch pine timber, oak and mahogany, underbrush, and granite blocks, descend
11.00 Abrupt descent.
6.00 Leave granite blocks bears NW. & SE.
7.25 Small draw drains E, 250 ft below sec. cor. ascend
8.00 Enter cedar & pitch pine, bears E & W.
14.00 Small spur projects S 75° E, 100 ft above draw, descend
19.00 Draw drains S 50° E, 350 ft below spur, ascend.
36.00 Leave cedar and pitch pine, bears NW & SE.
Enter scrubby mahogany.
40.00 Set an iron post 3 ft long 1 in diam. 26 in. in ground, for 1/4 sec. cor. marked on brass cap 1/4 S 25 on W half, S 30 on E half; from which
A mahogany tree, 5 in. diam. bears
N 70° E, 40 lks dist. marked
1/4 S 30 B.T.
A mahogany tree, 6 in. diam. bears
S 31° W, 50 lks. dist. marked
1/4 S 25 B.T.

East Boundary of T 28 S R 9 W.

chains	
40.75	Spur projects S 70 E, 400 ft above draw, descend.
44.50	Head of draw drains S 60° E, 100 ft below spur, ascend
63.50	Spur projects E, 450 ft above draw, descend.
71.50	Draw drains E, 150 ft below spur, ascend.
78.00	Spur projects E, 100 ft above draw, descend.
	Enter scattering pine timber.
80.00	Set an iron post 3 ft long, 3 in. diam. 24 in. in ground, for cor of secs. 19, 24, 25 & 30, marked on brass cap
	T 28 S on N half
	R 9 W S 24 in NW
	R 8 W S 19 in NE.
	S 30 in SE
	S 25 in SW. quadrant; from which
	A pine tree, 8 in. diam. bears
	N 22° E, 25 lks. dist. marked
	T 28 S R 8 W S 19 B T
	A mahogany tree, 10 in. diam. bears
	S 23° E, 60 lks. dist. marked
	T 28 S R 8 W S 30 B T
	A mahogany tree, 5 in. diam. bears
	S 47° W, 38 lks. dist. marked
	T 28 S R 9 W S 25 B T
	A pine tree, 7 in. diam. bears
	N 48° W, 70 lks. dist. marked
	T 28 S R 9 W S 24 B T
	Land mountainous.
	Soil, light; clay loam mixed with loose stones 5 to 9 in. deep. medium texture; loose stones on surface of whole mile; subsoil, granite & gravel.
	Timber, cedar and pitch pine and pine.
	Undergrowth, oak and mahogany.
	Oct. 4, 1910. At this cor. I set off 4° 13' S on the decl. arc; and at 11 h. 49 m. a.m. m. t. observe the sun on the meridian, the resulting lat. is 38° 22' N.
	Thence I run
	N bet secs. 19 & 24
	Over mountainous land, through scattering pine

East Boundary of T 28 S R 9 W

chains	
	timber, oak & mahogany undergrowth.
3.00	Leave scattering pine timber, bears N 70° W & S 70° E.
7.00	Enter manganita undergrowth bears E & W.
17.50	Canyon drains S 50° E, 775 ft. below sec. cor. ascend
40.00	Set an iron post, 3 ft. long, 1 in. diam. 26 in. in ground, for 1/4 sec. cor. marked on brass cap 1/4 S 24 on W half; S 19 on E half; from which
	A mahogany tree, 7 in. diam. bears
	N 36° E, 70 lks. dist. marked
	1/4 S 19 B T
	A mahogany tree, 5 in. diam. bears
	S 70° W, 43 lks. dist. marked
	1/4 S 24 B T
	Oct 4, 1910. At 1 h 49 m. p. m. l. m. t. I set off 38° 22' N on the lat. arc; 4° 15' S on the decl. arc; and determine a true meridian with the solar at the 1/4 sec. cor. bet. secs. 19 & 24.
	Thence I run
	N bet. secs. 19 & 24.
55.00	Spur projects S 70° E, 900 ft. above canyon, descend.
58.00	Leave mahogany and oak underbrush; enter pine timber, bears N 80° W & S 80° E.
74.00	Leave pine timber; enter oak undergrowth.
76.50	Bottom of canyon drains S 50° E, 800 ft. below spur, ascend.
80.00	Set an iron post, 3 ft. long, 3 in. diam. 24 in. in ground, for cor. of secs. 13, 18, 19 & 24, marked on brass cap
	T 28 S on N half
	R 9 W S 13 in NW
	R 8 W S 18 in NE
	S 19 in SE
	S 24 in SW quadrant; raise a mound of stone 2 ft. base, 1½ ft. high, W of cor.
	Pits impracticable.
	Land mountainous.
	Soil on ridges, light-brown clay loam; slopes washed. Canyons have loose granite boulders.
	Subsoil, clay and decomposing granite.
	Timber pine.

Chains.	
	Undergrowth, oak, mahogany and manzanita. Mountainous land 80.00 chs.
	Oct. 4, 1910
	Oct 5, 1910. At 8h 49m a. m. l. m. t. I set off 38°23'N on the lat arc; 4°33'S on the decl. arc; and determine a true meridian with the solar at the cor. of secs. 13, 18, 19 & 24.
	Thence I run
	N. bet. secs. 13 & 18.
	Over mountainous land, through oak and manzanita brush, ascend.
4.00	Enter mahogany undergrowth, bears E & W.
30.00	Spur projects S 70° E, 850 ft above sec. cor. descend.
30.50	Enter scattering pine, bears E & W.
34.00	Leave scattering pine, bears E & W
38.00	Draw drains E, 200 ft below spur, ascend
40.00	Set an iron post 3 ft long, 1 in. diam. 26 in. in ground for 1/4 sec. cor. marked on brass cap 1/4 S13 on W half; S18 on E half; raise a mound of stone 2 ft. base, 1 1/2 ft high. W of cor. Pits impracticable.
	Oct 5, 1910. At this cor. I set off 4°36'S on the decl. arc; and at 11h 49m a.m. l. m. t. observe the sun on the meridian, the resulting lat 38°23'N.
53.00	Spur projects E, 400 ft above draw, descend.
54.00	Leave oak, mahogany & manzanita underbrush. Enter heavy pine timber, bears E & W.
69.00	Leave heavy pine timber, bears E & W.
69.50	Canyon spring branch 1/2 lk wide, 1 in deep runs E.
70.00	Enter dense oak, mahogany, and manzanita undergrowth, bears E & W.
80.00	Set an iron post, 3 ft long, 3 in. diam. 24 in in ground, for cor. of secs. 7, 12, 13 & 18, marked on brass cap
	T 28 S on N half
	R 9 W S 12 in NW.
	R 8 W S 7 in NE
	S 18 in SE.
	S 13 in SW. quadrant, from which

East Boundary of T 28 S R 9 W.

chains	
	A mahogany tree, 6 in. diam. bears N 33° E, 55 lks dist. marked T 28 S R 8 W S 7 B T
	A mahogany tree, 8 in. diam. bears S 35° E, 15 lks dist. marked T 28 S R 8 W S 18 B T
	A mahogany tree, 6 in. diam. bears S 34° W, 50 lks dist. marked T 28 S R 9 W S 13 B T
	A mahogany tree, 5 in. diam. bears N 58° W, 89 lks. dist. marked T 28 S R 9 W S 12 B T
	Land mountainous.
	Soil on ridges, light poor sandy loam 2 to 10 in deep; slopes washed and broken. Canyons, stony.
	Subsoil, granite.
	Timber, pine.
	Undergrowth, oak, mahogany and manzanita.
	Mountainous land 80.00 chs.
	This cor. is 300 ft. above canyon.
	Oct. 5, 1910.
	Oct. 6, 1910. At 8 h 18 m. a. m. l. m. t. I set off 38° 23' N on the lat. arc; 11° 56' S on the decl. arc; and determined a true meridian with the solar at the cor. of secs. 7, 12, 13 & 18.
	Thence I run
	N. bet. secs. 7 & 12.
	Over mountainous land, through oak, mahogany and manzanita undergrowth, ascend.
21.00	Ridge bears N 80° E, & S 80° W, 750 ft. above cor. descend.
22.00	Leave oak and mahogany undergrowth. Enter aspen timber, bears NE. & SW.
34.50	Leave aspen timber and enter scattering pine timber, and oak undergrowth bears, NE & SW.
40.00	Set an iron post 3 ft. long, 1 in. diam. 26 in. in ground for 1/4 sec. cor. marked on brass cap 1/4 S 12 on W half; S 7 on E half; from which A pine tree, 16 in. diam. bears S 73° E, 22 lks. dist. marked

East Boundary of T28S R9W.

chains	
	1/4 S7 B.T.
	A pine tree, 8 in. diam. bears
	N 34° W, 30 lks. dist. marked
	1/4 S12 B.T.
45.00	Granite ledge, 100 ft high bears S85° W & N 85° E.
49.00	Granite ledge, 120 ft high bears E & W.
62.00	Mouth of draw drains N 60° W, 850 ft below ridge.
	Enter mahogany undergrowth bears NW & SE.
68.00	Spur projects N 60° W, 250 ft above draw, descend.
80.00	Set an iron post 3 ft long, 3 in. diam. 24 in. in ground, for cor of secs. 1, 6, 7, & 12, marked on brass cap.
	T28S on N half
	R9W S1 in NW
	R8W S6 in NE
	S7 in SE
	S12 in SW. quadrant; from which
	A pine tree, 16 in. diam. bears
	N 71° E, 70 lks. dist. marked
	T28S R8W S6 B.T.
	A pine tree, 24 in. diam. bears
	S 89° E., 1.17 chs. dist. marked
	T28S R8W S7 B.T.
	A pine tree, 36 in. diam. bears
	S 17° W, 2.06 chs. dist. marked
	T28S R9W S12 B.T.
	A pine tree, 36 in. diam. bears
	N 40° W, 2.30 chs. dist. marked
	T28S R9W S1 B.T.
	Land mountainous.
	Soil, sandy loam, 3 to 8 in deep, coarse texture on decomposing granite subsoil.
	Timber pine.
	Undergrowth, oak, mahogany and manzanita.
	Mountainous land 80.00 chs.
	Oct 6, 1910. At this cor. I set off 4° 59' S on the decl. arc; and at 11h 48m a.m. l. m. t. observe the sun on the meridian; the resulting lat is 38° 24' N.

East Boundary of T 28 R 9 W.

Chains	
	N. bet. secs. 1 & 6
	Over mountainous land, through scattering pine timber, oak, mahogany and manzanita underbrush, descend along E side of South Fork of Ranch Canyon.
25.00	Mouth of draw drains N 40° W, ascend.
32.00	Spur projects NW, 200 ft. above draw, descend.
40.00	Set an iron post, 3 ft long 1 in. diam. 26 in. in ground, for 1/4 sec. cor. marked on brass cap 1/4 S 1 on W half; S 6 on E half; from which
	A pine tree, 6 in. diam. bears
	S 15° E, 41 lks. dist. marked
	1/4 S 6 B J
	A mahogany tree, 7 in. diam. bears
	S 38° W, 75 lks. dist. marked
	1/4 S 1 B J
	Oct. 6, 1910. At 2 h 48 m p. m. l. m. t. I set off 38° 25' N on the lat. arc; 5° 02' S on the decl. arc; and determine the true meridian with the solar at the 1/4 sec. cor. bet. secs. 1 & 6.
	Thence I run
	N bet. secs. 1 & 6
42.00	Granite ledges 70 ft high bears N 40° W & S 40° E.
50.00	Mouth of draw drains NW.
79.00	Spur projects W, 350 ft above mouth of draw, descend
80.00	Set temp. cor for Tps 27 & 28 S Rs 8 & 9 W.
	Oct. 6. 1910.
85.25	Oct. 7. 1910. The cor of Tps 27 & 28 S, Rs 8 & 9 W.
	Cor. described on page 16.
	Sand mountainous.
	Soil on ridges, light, poor sandy loam, washed on slopes, very stony.
	Draws, light, sandy loam on gravel and decomposing granite subsoil.
	Timber, scattering pine.
	Undergrowth, oak, mahogany & manzanita.
	Mountainous land 85.25 chs.
	Oct. 7, 1910.

North Boundary of T 28 S R 9 W.

chains	
	Aug 20. 1910. At 9 h 03 m a.m. l.m.t I set off 38°25' N on the lat. arc; 12°37' N on the decl. arc; and determine a true meridian with the solar at the cor of Tps 27 & 28 S Rs 9 & 10 W, which is a granite stone 12 x 12 x 8 in. above ground, firmly set, marked and witnessed as described by the surveyor general.
	Thence I run,
	E on random line along the N bdy of T 28 S R 9 W, setting ~~temp~~ 1/4 sec, and sec. cors at intervals of 40.00 chs reaching on this date the 1/4 sec. cor. bet. secs. 2 & 35.
	Aug. 20, 1910.
	Oct 7, 1910. At 7 h 48 m a.m. l.m.t I set off 38°25' N on the lat. arc; 5°17' S on the decl. arc; and determine a true meridian with the solar at the temp 1/4 sec. cor. bet. secs. 2 & 35 set by me on Aug. 20, 1910.
	Thence I run
	E on random line on N bdy of T 28 S R 9 W setting temp 1/4 sec and sec cors, at intervals of 40.00 chs and at 48 3.25 chs. intersect N & S line on E bdy of Tp 5.25 chs N of temp cor of Tps 27 & 28 S, Rs 8 & 9 W.
	Oct 7. 1910. At 9 h 48 m. a.m. l.m.t. I set off 38°25 N on the lat arc; 5°20' S on the decl. arc; and determine a true meridian with the solar at the cor of Tps 27 & 28 S Rs 9 & 10 W.
	Thence I run
	E bet. secs. 6 & 31 marking true line.
	Over gently rolling bench land sloping W, through sagebrush.
43.25	Set an iron post 3 ft long, 1 in. diam. 26 in. in ground, for 1/4 sec. cor. marked on brass cap 1/4 S 31 on N half; S 6 on S half; dig pits 18 x 18 x 12 in. E & W of post, 3 ft dist; and raise a mound of earth 3 1/2 ft ~~base~~, 1 1/2 ft high N of cor.
58.00	S bank of draw, bears N 40° W & S 40° E, descend
63.00	Wash in bottom of draw drains N 40° W, ascend gently.

North Boundary of T28S R9W.

Chains	
80.00	Enter scattering cedar timber, bears N 20° W & S 20° E.
83.25	Set an iron post 3 ft long, 3 in. diam. 24 in. in ground for cor. of secs. 5, 6, 31 & 32 marked on brass cap
	T27S S31 in NW
	R9W S32 in NE
	R9W S5 in SE.
	T28S S6 in SW, quadrant, from which
	A cedar tree, 10 in. diam. bears
	N 26° E, 2.21 chs. dist. marked
	T27S R9W S32 BT
	A cedar tree, 5 in. diam. bears
	S 3° 30' E, 4.69 chs. dist. marked
	T28S R9W S5 BT
	A cedar tree, 6 in. diam. bears
	S 47° 30' W, 4.87 chs. dist. marked
	T28S R9W S6 BT
	A cedar tree, 12 in. diam. bears
	N 28° W, 3.60 chs. dist. marked
	T27S R9W S31 BT
	Land gently rolling bench, sloping W.
	Soil, rich clay loam, 12 to 18 in. deep, fine texture, moist, on clay subsoil. Fair growth of sage brush
	Scattering cedar timber on E 4.00 chs
	Undergrowth, sagebrush.
	E bet. secs. 5 & 32.
	Over gently rolling bench land, through scattering cedar timber & sagebrush.
1.00	Wash drains N 85° W.
40.00	Set an iron post 3 ft long, 1 in. diam. 26 in. in ground for 1/4 sec cor. marked on brass cap 1/4 S 32 on N half; S 5 on S half; from which
	A cedar tree, 16 in. diam. bears
	N 29° E, 1.78 chs. dist. marked
	1/4 S 32 BT
	A cedar tree, 14 in. diam. bears
	S 76° W 2.14 chs. dist. marked

North Boundary of T28S R9W.

chains	
	1/4 S5 B J
80.00	Set an iron post 3 ft long, 3 in. diam. 24 in. in ground, for cor. of secs. 4, 5, 32 & 33, marked on brass cap
	T27S S32 in NW
	R9W S33 in NE
	R9W S4 in SE
	T28S S5 in SW, quadrant, from which
	A cedar tree, 10 in. diam, bears
	N 63° E, 35 lks. dist. marked
	T27S R9W S33 B J
	A cedar tree, 6 in. diam, bears
	S 78° E, 1.40 chs. dist. marked
	T28S R9W S4 B J
	A cedar tree 6 in. diam. bears
	S 54° W, 2.35 chs. dist. marked
	T28S R9W S5 B J
	A cedar tree, 7 in. diam. bears
	N 60° W, 2.08 chs. dist. marked
	T27S R9W S32 B J.
	Land gently rolling bench, sloping W
	Soil, rich, clay loam, 4 to 14 in. deep, fine texture, moist, on clay subsoil.
	Timber, scattering cedar. Undergrowth, sage.
	Oct 7, 1910. At this cor. I set off 5° 22' S on the decl arc; and at 11 h 48 m a.m. l. m. t. observe the sun on the meridian; the resulting lat is 38° 25' N.
	E, bet. secs. 4 & 33.
	Over gently rolling bench land sloping W.
40.00	Set an iron post 3 ft long, 1 in. diam. 26 in. in ground, for 1/4 sec cor. marked on brass cap 1/4 S33 on N half; S4 on S half; from which
	A cedar tree, 3 in. diam. bears
	N 15° E, 91 lks. dist. marked
	1/4 S33 B J
	A cedar tree, 10 in. diam, bears
	S 66° E, 43 lks dist. marked
	1/4 S4 B J.

North Boundary of T 28 S R 9 W.

Chains	
59.00	Top of S bank of Ranch Canyon Draw bears N 40° W & S 40° E.
67.00	Mouth of draw drains N.W. 150 ft deep.
80.00	Set an iron post 3 ft long, 3 in. diam. 24 in. in ground for cor of secs. 3, 4, 33 & 34 marked on brass cap
	T 27 S S 33 in NW
	R 9 W S 34 in NE
	R 9 W S 3 in SE
	T 28 S S 4 in SW, quadrant, from which
	A cedar tree, 16 in. diam. bears
	N 49° E, 67 lks. dist. marked
	T 27 S R 9 W S 34 B T
	A cedar tree, 15 in. diam. bears
	S 17° E, 47 lks. dist. marked
	T 28 S R 9 W S 3 B T
	A cedar tree, 17 in. diam. bears
	S 45° W. 57 lks dist. marked
	T 28 S R 9 W S 4 B T
	A cedar tree, 5 in. diam. bears
	N 69° W, 1.25 chs. dist. marked
	T 27 S R 9 W S 33 B T
	Land rolling bench, sloping W.
	Soil, clay loam, 4 to 10 in. deep, fine texture, moist, on clay subsoil.
	Timber, scattering cedar; undergrowth sagebrush.
	E bet. secs. 3 & 34
	Over rolling bench land, sloping W, through scattering cedar & sagebrush.
7.00	Low spur projects N 45° W, 100 ft above cor.
17.00	Mouth of draw drains N 40° W, 75 ft. below spur.
36.00	Enter mountainous land; leave scattering cedar and enter heavy cedar & pitch pine timber bears N 10° E, & S 10° W.
40.00	Set an iron post 3 ft long, 1 in. diam. 26 in. in ground, for 1/4 sec. cor. marked on brass cap 1/4 S 34 on N half; S 3 on S half; from which
	A pitch pine tree, 10 in diam. bears

North Boundary of T 28 S R 9 W.

chains	
	N 41° E, 50 lks. dist. marked 1/4 S 34 B J
	A cedar tree, 8 in. diam. bears S 36° W, 57 lks. dist. marked 1/4 S 3 B J
51.00	Spur projects, N 50° W, 350 ft. above draw, descend.
	Leave pitch pine & cedar timber, bears NE & SW.
80.00	Set an iron post 3 ft long, 3 in. diam. 24 in. in ground, for cor. of secs. 2, 3, 34 & 35, marked on brass cap
	T 27 S S 34 in NW
	R 9 W S 35 in NE
	R 9 W S 2 in SE
	T 28 S S 3 in SW, quadrant; dig pits 18 x 18 x 12 in. in each sec. 5½ ft. dist. and raise a mound of earth 4 ft base, 2 ft high. W of cor.
	W 36.00 chs, rolling bench land, sloping W.
	Soil, sandy loam, 4 to 9 in. deep, moist, medium texture, on clay and decomposing granite subsoil.
	E 44.00 chs rolling mountainous land.
	Clay loam on ridges; washed on slopes. Draws sandy loam and gravel; stony; on decomposing granite subsoil.
	Timber scattering cedar & pitch pine.
	Mountainous land 44.00 chs.
	Oct. 7, 1910. At 2 h 48 m. p. m. I m. t. I set off 38° 25' N on the lat. arc; 5° 25' N on the decl. arc; and determine a true meridian with the solar at the cor. of secs. 2, 3, 34 & 35.
	Thence I run
	E bet. secs. 2 & 35.
	Over mountainous land through sagebrush.
9.20	Road bears N & S. Minersville to Ranch Canyon.
10.50	Spring branch 1 lk wide 1 in. deep runs N
25.00	Enter scattering cedar bears NW & SE.
38.00	Draw drains N.
39.80	Set an iron post 3 ft long, 1 in. diam. 26 in. in

chains

ground for 1/4 sec. W.C. marked on brass cap T27S R9W 1/4 S35 W.C. on N half; S2 on S half; from which

A cedar tree, 6 in. diam. bears N 36° W, 3.30 chs dist. marked 1/4 S35 WC BJ

A cedar tree, 8 in. diam. bears S 58° W, 3.89 chs. dist. marked 1/4 S2 WC BJ

40.00 Small granite ledge, 20 ft high bears N & S marked with X. Raise a mound of stone 2 ft base, 1½ ft high, 2 ft N of X.

42.00 Small spur projects N 10° W, 100 ft above draw descend.

42.55 W gable of Eb. Tanners cabin bears N 59° 20' E.

42.63 E post of bars of correll bears N 57° 40' E. Land on which this cabin stands formerly claimed by Inez Sawyer.

45.00 Leave scattering cedar timber bears NW & SE.

56.00 Draw drains N 50° W.

60.00 Low spur projects N 55° W.

65.00 Draw drains N 40° W.

69.50 Spur projects N 45° W.

77.00 Enter scattering aspen timber, oak, birch and willow undergrowth.

78.00 S side of bottom of Ranch Canyon.

80.00 Set an iron post 3 ft long, 3 in. diam. 24 in in ground, for cor of secs 1, 2, 35, & 36 marked on brass cap

T27S S35 in NW
R9W S36 in NE
R9W S1 in SE
T28S S2 in SW; quadrant; from which

A birch tree, 5 in. diam. bears N 46° E, 1.42 chs. dist. marked T27S R9W S36 BJ

An aspen tree, 5 in. diam. bears S 8° E, 47 lks dist. marked T28S R9W S1 BJ

An aspen tree, 6 in. diam. bears

North Boundary of T 28 S R 9 W

chains

S 64° W, 1.19 chs. dist. marked
T 28 S R 9 W S 2 B S
An aspen tree, 10 in. diam. bears
N 18° W. 1.96 chs. dist. marked
T 27 S R 9 W S 35 B S

Land mountainous.
Soil on ridges, sandy loam, coarse texture washed on slopes: draws, good, brown, clay loam, drains N; subsoil, decomposing granite.
Timber, scattering cedar and aspen.
Undergrowth, oak, birch, willow & sagebrush.
Mountainous land 80.00 chs.

East bet. secs. 1 & 36.
Over mountainous land along bottom of S side of Ranch Canyon, through scattering aspen, oak, birch & willows.

5.00 Leave aspen, willow & birch; continue in oak; enter deer brush bears N 80° E & S 80° W. Also begin ascent on steep N slope.

36.00 Begin descent on N slope.

40.00 Set an iron post 3 ft long, 1 in. diam. 26 in in ground, for 1/4 sec. cor. marked on brass cap 1/4 S 36 on N half; S 1 on S half; raise a mound of stone 2 ft base, 1 1/2 ft high, N of cor. Pits impracticable.

64.00 Bottom of Right Fork of Ranch Canyon spring branch, 4 lks wide, 2 in. deep runs N 15° W, 400 ft deep, ascend.

65.00 Old road bears N 25° W & S 25° E.

80.00 Intersect N & S line on E bdy of Tp 5.25 chs N of temp. cor of Tps. 27 & 28 S, Rs 8 & 9 W.
Set an iron post 3 ft long, 3 in. diam. 24 in in ground, for cor. of Tps 27 & 28 S, Rs 8 & 9 W, marked on brass cap
T 27 S on N half
T 28 S on S half
R 9 W S 36 in NW.

Chains

North Boundary of T28S R9W

R8W S31 in NE
R8W S6 in SE
R9W S1 in SW; quadrant; raise a mound of stone 2 ft base, 1½ ft high S of cor.
Pits impracticable.
Land mountainous.
Soil on ridges, good brown clay loam, washed on slopes; stony: draws, good brown clay loam, with some gravel, drains N; subsoil, clay & decomposing granite.
Timber, scattering aspen.
Undergrowth, oak, willow, birch & deer brush.
Mountainous land 80.00 chs.

Oct. 7, 1910.

Boundaries of T.28 S.R.9 W.

Latitudes, Departures and Closing Errors.

Lines Designated	True Bearing	Dist. Chs.	Latitudes N. chs.	Latitudes S. chs.	Departures E. chs.	Departures W. chs.
South Boundary	West	483.25	.....	.....	.....	483.25
West Boundary	North	485.54	485.54	.....	.....	.....
North Boundary	East	483.25	.....	.....	483.25	.....
East Boundary	South	485.25	.....	485.25	.....	.....
Convergency					0.57	
	Totals		485.54	485.25	483.82	483.25
			485.25		483.25	
Error in lat. and Dep.			.29		.57	

For general description see notes of the subdivision of this township.

John W. Dougall
U. S. Transitman.

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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:

_____, *Chainman.*

_____, *Chainman.*

_____, *Moundman.*

_____, *Moundman.*

_____, *Axman.*

_____, *Axman.*

_____, *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted _____

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

_____

_____

_____ of the _____

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

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

T. 27 S., R. 9 W., _____, *Chainman.*

_____, *Moundman.*

_____, *Moundman.*

_____, *Axman.*

_____, *Axman.*

_____, *Flagman.*

_____

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

_____

_____

SEAL

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FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, ... United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from ..... United States Surveyor General for ..... bearing date of the ..... day of ....., 190 , I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for ....., the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of .....

For final oath of transitman see book "G" T:27 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; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

United States Deputy Surveyor.

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

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL.

Salt Lake City, Utah, Sept. 18, 1913.

The foregoing field notes of the survey of the East and North Boundaries of Township 28 South, Range 9 West of the Salt Lake Base and Meridian, Utah,

executed by John W. Dougall under his ~~contract No.~~ special instructions, dated August 6, 1910 ~~190xx~~, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

United States Surveyor General.

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

United States Surveyor General.

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BOOK A-381

FILED
APR 4 1911

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F.

FIELD NOTES

OF THE SURVEY OF THE

S U B D I V I S I O N

O F

TOWNSHIP NO. 28 SOUTH,

RANGE NO. 9 WEST

Of the SALT LAKE BASE AND *Meridian,*

U T A H,

AS SURVEYED BY

n W. Dougall, ..., *United States* ~~*Deputy Surveyor*~~ Transitman.,

ssignment Group

~~*Under his Contract*~~ *No.* 5, *dated* August 6, 1910., *190*

rvey commenced October 8, 1910., *190*

rvey completed November 28, 1910., *190*

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NAMES AND DUTIES OF ASSISTANTS.

George W. Daniel, chainman
Edwin Garn, chainman
Willis Whitmore, moundman
William B. Clark, moundman
Fred Sharp, flagman
Ernest Harmer, flagman

For preliminary affidavits Daniel and Garn as chainmen; Whitmore as moundman; and Sharp, as flagman, see book "A" T. 29 S., R. 10 W.

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BOOK A-381

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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 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
_____

_____, *Chainman*

_____, *Chainman*

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

SEAL

_____

_____

~~We~~, I, William B. Clark _____ ~~and~~ _____
do solemnly swear that ~~we~~ I will well and truly perform the duties of moundman in the establishmen
of corners, according to the instructions given ~~us~~ me, to the best of ~~our~~ my skill and ability, in the survey o
the subdivisional lines of Tps.27 and 28 S., R.9 W.of the S.L.B.& M.
Utah.

William B Clark, *Moundman*

_____, *Moundman*

Subscribed and sworn to before me this twenty fifth
day of Nov - 1910, ~~190~~

SEAL

John W. Dougall
Instrumentman G.L.O.

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, Ernest Harmer _____, do solemnly swear that I will well and truly
perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the
survey of the subdivisional lines of Tps.27 and 28 S., R.9 W.of the S.L.
B.& M., Utah.

Ernest Harmer, *Flagman.*

Subscribed and sworn to before me this twenty fifth
day of Nov - 1910, 190

SEAL

John W. Dougall
Instrumentman G.L.O.

6—151

Subdivision of T 28 S R 9 W.

chains	
	Subdivision of this Tp. commenced Oct. 8, 1910 and executed with a W & L. E. Gurley light mountain transit, no No, with solar attachment.
	For a complete description of the instrument see Book A.
	Knowing that the instrument is in perfect adjustment from recent observations on Polaris, I omit complete test at this time.
	Oct 8, 1910. At 8 h 48 m. a. m. l. m. t I set off 38° 20' N on the lat. arc; 5° 42' S on the decl. arc; and determine a true meridian with the solar at the cor of secs. 35 and 36 on S. bdy. of Tp. heretofore described.
	Thence I run
	N 0° 01' W, bet. secs. 35 & 36.
	Descend gently over rough mountainous land, through stunted mahogany timber.
1.00	Head of draw drains S.W., 30 ft. below sec. cor. ascend.
10.00	Spur projects S.E. 300 ft. above draw.
13.00	Leave mahogany; enter pine timber, bears E & W.
21.50	Draw 400 ft. below spur, drains E, also leave pine & enter mahogany timber.
40.00	Set an iron post, 3 ft. long, 1 in. diam. 26 in. in ground, for 1/4 sec. cor, marked on brass cap, 1/4 S 35 on W half; S 36 on E. half; from which
	A mahogany tree, 7 in. diam. bears N 30° E, 61 lks dist., marked 1/4 S 36 B. T.
	A mahogany tree, 10 in. diam. bears N 15° W, 15 lks, dist., marked 1/4 S 35 B. T.
	Oct 8, 1910. At this cor. I set off 5° 45' S on the decl arc; and at 11 h 48 m a.l.m.t observe the sun on the meridian; the resulting lat. is 38° 20' N.
42.50	Spur projects E. 250 ft. above draw; also

Subdivision of T 28 S R 9 W

chains	
	leave mahogany, bears E & W.
48.00	Enter pine timber, bears N.E. & S.W.
59.00	Leave same, bears N.E. & S.W.
60.00	Draw drains S.E., 350 ft. below spur, also enter mahogany timber, bears E & W
77.00	Spur projects S.E., 500 ft. above draw; also leave mahogany & enter pine timber, bears S.E. and N.W.
80.00	Set an iron post 3 ft. long, 2 in. diam. 24 in. in ground, for cor. of secs. 25, 26, 35 & 36, marked on brass cap,
	T 28 S S 26 in NW
	R 9 W S 25 in NE
	S 36 in SE
	S 35 in SW quadrant; from which
	A pine tree, 6 in. diam. bears
	N 71° E, 61 lks. dist. marked
	T 28 S R 9 W S 25 B T
	A pine tree, 31 in. diam. bears
	S 68° E, 20 lks dist. marked
	T 28 S R 9 W S 36 B T.
	A pine tree, 20 in. diam. bears
	S 16° W, 6 lks dist. marked
	T 28 S R 9 W S 35 B T.
	A pine tree, 18 in. diam bears
	N 50° W, 44 lks. dist. marked
	T 28 S R 9 W S 26 B T.
	Land; mountainous.
	Soil; ridges, light sandy loam, washed on slopes. Draws and canyons very stony.
	Timber; pine and stunted mahogany.
	Mountainous land 80.00 chs.
	Oct. 8, 1910.

Oct. 10, 1910. At 8h 47m a.m. l.m.t. I set off 38° 21' N on the lat. arc; 6° 28' S on the decl. arc; and determine the true meridian with the solar at the cor. of secs. 25, 26, 35 and 36.

Thence I run

Subdivision of T 28 S R 9 W

chains	
	E on random line bet. secs. 25 & 36.
40.00	Set temp. 1/4 sec. cor.
80.00	Intersect E bdy. of Tp. 5 lks. S. of cor. of secs. 25, 30, 31 & 36, heretofore described
	Oct. 10, 1910. At this cor. I set off, 6°31' S on the decl. arc; and at 11 h 47 m. l. m. t. observe the sun on the meridian; the resulting lat. is 38°21 N.
	Thence I run
	S 89°58' W, on true line bet. secs. 25 & 36
	Ascend over rough mountainous land through scattering pitch pine, cedar, and mahogany timber.
20.00	Leave pitch pine and cedar timber & enter scrub oak & continue in mahogany timber bears S E & N W
35.00	Spur projects S E, 700 ft above sec. cor.
40.00	Set an iron post 3 ft. long, 1 in. diam., 26 in. in ground, for 1/4 sec. cor., marked on brass cap 1/4 S 25 on N half; S 36 on S half; from which
	A mahogany tree, 8 in. diam bears N 45° W, 62 lks dist. marked 1/4 S 25 13 J.
	A lone pine tree, 16 in. diam. bears S 8° W, 32 lks. dist. marked 1/4 S 36 13 J.
46.00	Draw drains S E, 200 ft. below spur, ascend
48.00	Spur projects S E, 100 ft above draw; descend.
58.00	Canyon drains S.E., 275 ft. below spur; thence abrupt ascent along N.E. slope of spur. Leave mahogany & enter pine timber, bears N W & S E.
80.00	The cor. of secs. 25, 26, 35 & 36.
	This cor. is 600 ft. above bottom of canyon.
	Land, mountainous.
	Soil; on ridges, light sandy loam; dry; washed on slopes.
	Draws, stony on granite bedrock.
	Timber, pitch pine, cedar and

Subdivision of T28S R9W.

chains	
	stunted mahogany. Mountainous land 80.00 chs. Oct. 10, 1910.
	Oct. 17, 1910. At 8h 46m. a.m. l.m.t I set off 38°21'N on lat. arc; 9°05'S on decl. arc, and determine a true meridian, with the solar at the cor. of secs. 25, 26, 35 & 36. Thence I run N 0°01'W bet. secs. 25 & 26. Descend along N.E. slope through pine timber.
13.50	Leave timber bears N E & S W.
15.00	Canyon drains S E, 500 ft below sec. cor. ascend.
17.00	Enter mahogany & oak brush, bears N W & S E.
35.00	Leave same, bears E & W.
36.00	Enter scattering pine timber, bears E & W.
40.00	Set an iron post 3 ft. long, 1 in. diam., 26 in. in ground, for 1/4 sec. cor., marked on brass cap 1/4 S 26 on W half; S 25 on E half, from which A pine tree, 16 in. diam. bears S 33° E, 74 lks. dist. marked 1/4 S 25 B J. A pine tree, 7 in. diam. bears S 14° W, 36 lks dist. marked 1/4 S 26 B J ✓
	Oct. 17, 1910. At this cor. I set off 9°08'S on the decl. arc; and at 11h 46m a.m. l.m.t, observe the sun on the meridian; the resulting lat. is 38°21'N.
52.00	Ridge bears N 25° E & S 25° W, 800 ft above canyon Thence descend gently along W slope of mt.
53.00	Enter heavy pine timber bears N E & S W.
80.00	Set an iron post 3 ft. long, 2 in. diam. 24 in. in ground, for cor. of secs. 23, 24, 25 & 26, marked on brass cap T 28 S S 23 in N.W. R 9 W S 24 in N.E.

Sub of T 28 S R 9 W

S 25 in S E
S 26 in S W quadrant; from which
A pine tree 7 in. diam, bears
N 50° E, 25 lks. dist. marked
T 28 S R 9 W S 24 B T
A pine tree, 12 in. diam. bears
S E, 60 lks. dist. marked
T 28 S R 9 W S 25 B T
A pine tree, 6 in. diam. bears
S 21° W, 39 lks. dist. marked
T 28 S R 9 W S 26 B T
A pine tree, 14 in. diam. bears
N 47° W, 43 lks. dist. marked
T 28 S R 9 W S 23 B T

Land, mountainous.
Soil, light, poor sandy loam, washed on slopes.
Draws stony, on granite bedrock.
Timber, pine and stunted mahogany.
Mountainous land, 80.00 chs.

Oct. 17, 1910.

Oct. 18, 1910. At 8 h 45 m a. m. l. m. t. I set off 38° 22' N on the lat. arc; 9° 26' S on the decl. arc; and determine a true meridian with the solar at the cor of secs, 23, 24, 25 & 26
N 89° 58' E on random line bet. secs. 24 & 25.
40.00 Set temp. ¼ sec. cor.
79.90 Intersect E bdy. of Tp. 35 lks. N. of cor. of secs. 19, 24, 25, & 30 heretofore described.
Thence I run
N 89° 47' W on a true line bet. secs. 24 & 25.
Ascend over rough mountainous land through scattering pitch pine timber, mahogany & oak undergrowth.
1600 Leave scattering pitch pine; continue in mahogany bears N.E. & S.W.; enter heavy manzanita undergrowth.
2600 Spur projects S.E., 300 ft above sec. cor. descend.
30.00 Leave mahogany bears N.E. & S.W.

Sub of T 28 S R 9 W

chains	
39.95	Set an iron post 3 ft. long, 1 in. diam. 26 in in ground, for 1/4 sec. cor., marked on brass cap, 1/4 S 24 on N half; S 25 on S half. Raise a mound of stone 2 ft. base, 1 1/2 ft. high N. of cor. Pits impracticable. Oct 18, 1910. At this cor. I set off 9° 30' S on the decl. arc; and at 11 h 45 m a.m. l.m.t. observe the sun on the meridian, the resulting lat. is 38° 22' N
44.00	Head of draw drains S E, 100 ft. below spur. Also enter oak underbrush bears N.E. & S.W.
66.00	Ridge bears N 25° E & S 25° W, 600 ft above draw. Enter scattering aspen & pine timber bears N & S.
76.00	Leave oak underbrush and aspen timber. Enter heavy pine timber, bears N.E. & S.W.
79.90	The cor of secs, 23, 24, 25 & 26. Land, mountainous. Soil, light poor sandy loam, washed on slopes. Draws rocky on granite bedrock. Timber, pine and pitch pine & aspen. Undergrowth, oak, mahogany & manzanita Mountainous land 79.90 chs. Oct 18, 1910.
	Oct. 24, 1910. At 8 h 44 m. a.m. l.m.t. I set off 38° 22' N on the lat arc; 11° 35' S on the decl. arc, and determine a true meridian with the solar at the cor of secs 23, 24, 25 & 26. Thence I run N 0° 01' W bet. sec. 23 & 24. Descend along W slope, through heavy pine timber.
25.00	Spur projects W. 300 ft. below ridge, descend.
31.00	Draw drains W, 250 ft below spur, ascend.
36.00	Spur projects W, 400 ft above draw, thence abrupt descent.
40.00	Set an iron post 3 ft. long, 1 in. diam., 26 ins. in ground, for 1/4 sec. cor. marked on brass cap 1/4 S 23 on W half; S 24 on E half, from which

Subdivision T28S R9W

A pine tree, 24 in. diam. bears
N 50° E, 73 lks dist. marked
1/4 S 24 B T
A pine tree, 10 in. diam. bears
S 71° W, 21 lks. dist. marked
1/4 S 23 B T

53.00 Draw drains NW, 500 ft. below spur; leave pine timber: enter oakbrush bears E & W. Thence gentle ascent along W. slope of mountain.

70.00 Spur projects NW 200 ft. above draw; leave oakbrush: enter small aspen trees & manzanita brush bears NW & SE; thence abrupt descent.

77.00 Leave aspen trees: enter scattering pine timber bears E & W.

80.00 Set an iron post 3 ft. long 2 in. diam. 24 in. in ground for cor of secs. 13, 14, 23 & 24 marked on brass cap
T28S S14 in NW
R9W S13 in NE
S24 in SE
S23 in SW, quadrant; from which
A pine tree 13 in. diam. bears
N 3° E, 85 lks. dist. marked
T28S R9W S13 B T
A pine tree, 8 in. diam. bears
S 48° W 10 lks. dist. marked
T28S R9W S23 B T
A pine tree 13 in. diam. bears
N 50° W 47 lks. dist. marked
T28S R9W S14 B T
No other trees in limits: raise a mound of stone 2 ft. base, 1½ ft. high, W of cor.
Oct. 24, 1910. At this cor. I set off 11° 38' S on the decl. arc; and at 11 h 44 m. a.m. l. m. t. observe the sun on the meridian: the resulting lat. is 38° 23' N.
Land mountainous.
Soil, light poor sandy loam, washed on slopes.
Draws, stony on granite bedrock.

Timber, pine & aspen.
Underbrush, oak and manzanita.
Mountainous land 80.00chs.

Oct. 24, 1910.

Oct. 25, 1910. At 8h 44m. a. m. l. m. t. I set off 38° 23' N on the lat. arc; 11° 56' S on the decl. arc; & determine a true meridian with the solar at the cor. of secs. 13, 14, 23 & 24.
Thence I run
S 89° 47' E on random line bet. secs. 13 & 24.

40.00 Set temp 1/4 sec. cor.

80.16 Intersect E. bdy. of Tp. 14 lks. S of cor. of secs. 13 18, 19 & 24, heretofore described.
Thence I run
N 89° 53' W on true line bet. secs. 13 & 24.
Over rough mountainous land through oakbrush, ascend.

5.00 Canyon drains S 80° E, 100 ft. above sec. cor.
Thence abrupt descent.

7.00 Leave oakbrush: enter scattering pine timber and manzanita underbrush bears S 70° E & N 70° W.

40.08 Set an iron post 3 ft. long, 1 in. diam. 26 in. in ground for 1/4 sec. cor. marked on brass cap 1/4 S 13 on N half; S 24 on S half; from which,

A pine tree 12 in. diam. bears N 8° W, 122 lks. dist. marked 1/4 S 13 B T.
A pine tree 8 in. diam. bears S 36 W, 121 lks. dist. marked 1/4 S 24 B T

Oct. 25, 1910. At this cor I set off 11° 59' S on the decl. arc; and at 11h 44m a. m. l. m. t. observe the sun on the meridian the resulting lat. is 38° 23' N.

49.50 Ridge bears N 15° E & S 15° W, 800 ft. above canyon. Thence abrupt descent.

80.16 The cor. of secs. 13, 14, 23 & 24, 600 ft. below ridge.

Sub of T28S R9W.

Chains	
	Land mountainous.
	Soil, poor sandy loam, washed on slopes.
	Draws, very stony on granite bedrock.
	Timber, scattering pine.
	Undergrowth, oak & manzanita.
	Mountainous land, 80.16 chs.
	Oct. 25, 1910
	Oct. 24, 1910.
	N 0° 01' W bet. secs. 13 & 14.
	Over rough mountainous land, through scattering pine timber, manzanita underbrush and granite blocks.
6.00	Draw drains N 45° W, 300 ft. below spur, ascend gently.
11.00	Leave scattering pine timber, and enter oak & mahogany underbrush, bears N 45° W & S 45° E.
21.10	Spur projects N 45° W. 250 ft. above draw, descend.
26.25	Draw; spring branch 2 lks wide 1 in. deep, runs N 10° W; ascend gently.
34.00	Point of low spur projects W 100 ft. above draw, descend.
37.50	Draw; spring branch 2 lks. wide, 1 in. deep runs W., also enter aspen trees, ascend.
40.00	Set an iron post 3 ft long, 1 in. diam. 26 in. in ground, for 1/4 sec. cor. marked on brass cap 1/4 S 14 on W half; S 13 on E half; from which
	An aspen tree, 5 in. diam, bears N 30° E, 18 lks dist. marked 1/4 S 13 13 J
	An aspen tree, 6 in. diam. bears S 71° W, 14 lks. dist. marked 1/4 S 14 13 J
	Oct 24, 1910. At 1 h 44 m. p. m. l. m. t. I set off 38° 23' N on the lat arc; 11° 40' S on the decl. arc; and determine a true meridian with the solar at the 1/4 sec. cor. bet. secs. 13 & 24.

Sub of T 28 S R 9 W

Chains	
	Thence I continue N 0° 01' W bet. secs. 13 & 14.
49.00	Leave aspen, oak manzanita & mahogany brush bears N 40° E, & S 40° W.
61.00	Spur projects W, 400 ft. above draw, descend.
70.00	Enter scattering pine timber and mahogany underbrush, bears N 45° E & S 45° W.
80.00	Set an iron post 3 ft long, 2 in. diam. 26 in in ground. for cor of secs. 11, 12, 13 & 14, marked on brass cap
	T 28 S S 11 in N.W
	R 9 W S 12 in N E.
	S 13 in S E
	S 14 in S W. quadrant, from which
	A pine tree, 10 in. diam. bears
	N 67° E, 67 lks. dist. marked
	T 28 S R 9 W S 12 B T
	A pine tree, 16 in. diam. bears
	S 65° E, 77 lks. dist. marked
	T 28 S R 9 W S 13 B T
	A pine tree, 15 in. diam. bears
	S 21° W, 23 lks. dist. marked
	T 28 S R 9 W S 14 B T
	No tree in sec. 11 suitable for marking
	Therefore I raise a mound of stone 2 ft base, 1½ ft high W of cor.
	Pits impracticable
	Land mountainous.
	Soil, light-poor sandy loam, washed on slopes. Draws, rocky on granite bedrock.
	Timber, scattering pine & aspen.
	Undergrowth, oak, manzanita & mahogany.
	Mountainous land 80.00 chs.
	Oct. 24, 1910.

Oct 31, 1910. At 8 h 44 m. a. m. l. m. t I set off 38° 23' N on lat. arc; 13° 57' S on the decl. arc; and determine a true meridian with the solar at the cor. of secs 11, 12, 13 & 14.
Thence I run
S 89° 53 E, on a random line bet. secs. 12 & 13

Sub. of T 28 S R 9 W.

Chains	
40.00	Set temp. 1/4 sec cor.
80.24	Intersect E bdy of Tp. 24 lks. S of cor of secs. 7, 12, 13 & 18, hereto described
	Oct 31, 1910. At this cor. I set off 14°00' S on the decl. arc; and at 11h 44m a.m. l.m.t. observe the sun on the meridian, the resulting lat is 38°23' N.
	Thence I run
	S 89°57' W on a true line bet. secs. 12 & 13
	Ascend over rough mountainous land through stunted mahogany and oak brush and manzanita undergrowth.
38.70	Ridge bears N 5° E & S 5° W, also leave oak brush bears N & S.
	Ridge is 750 ft. above sec. cor: abrupt descent.
39.00	Enter scattering pine & aspen timber and large granite blocks, bears N 20° E & S 20° W.
40.12	Set an iron post, 3 ft. long, 1 in. diam. 26 in. in ground, for 1/4 sec. cor. marked on brass cap 1/4 S 12 on N half; S 13 on S half; from which
	A pine tree, 20 in. diam. bears N 24° E, 43 lks. dist. marked 1/4 S 12 13 J.
	An aspen tree, 6 in. diam. bears S 52° W, 18 lks. dist. marked 1/4 S 13 13 J.
76.00	Leave aspen and mahogany timber & manzanita undergrowth bears NE & SW.
80.24	The cor of secs. 11, 12, 13 & 14.
	This cor. is 500 ft. below ridge.
	Land mountainous.
	Soil, light sandy loam, washed on slopes.
	Draws, very rocky on granite bedrock.
	Timber scattering pine and aspen.
	Undergrowth, oak, mahogany & manzanita.
	Mountainous land 80.24 chs.
	Oct 31, 1910.
	Nov. 1, 1910. At 8h 44m a.m. l.m.t. I set off 38°23' N on the lat arc; 14°16' S on the decl. arc;
	a

Subdivision of T 28 S R 9 W.

chains

and determine a true meridian, with the solar at the cor of secs 11, 12, 13 & 14.
Thence I run
N 0° 01' W bet. secs. 11 & 12.
Descend gently over rough mountainous land through scattering pine timber & granite blocks.

4.00 Draw spring branch 1 lk wide, 1 in deep runs S 36° W, 100 ft below sec. cor. ascend.

33.00 Spur projects W, 400 ft above draw; also enter manzanita undergrowth bears N 80° W & S 80° E.

40.00 Set an iron post, 3 ft long, 1 in. diam, 26 in in ground for 1/4 sec. cor. marked on brass cap, 1/4 S 11 on W half; S 12 on E half; from which
A pine tree, 20 in. diam. bears
S 69° E, 33 lks. dist. marked
1/4 S 12 13 J.
A pine tree, 10 in. diam. bears
S 56° W, 47 lks. dist. marked
1/4 S 11 13 J. ✓

51.50 Draw spring branch 2 lks. wide 1 in. deep runs N 50° W 700 ft below spur, ascend.

79.00 Draw drains S.E.

80.00 Set an iron post 3 ft. long, 2 in. diam., 26 in. in ground, for cor of secs. 1, 2, 11 & 12 marked on brass cap
T 28 S S 2 in NW
R 9 W S 1 in NE.
S 12 in SE
S 11 in SW. quadrant, from which
A pine tree 14 in. diam. bears
N 20° E, 1.35 chs. dist. marked
T 28 S R 9 W S 1 13 J. ✓
A pine tree, 8 in. diam. bears
S 7° E, 30 lks dist. marked
T 28 S R 9 W S 12 13 J
No other trees suitable for marking
Therefore I raise a mound of stone 2 ft base 1 1/2 ft high, W of cor.
Pits impracticable ✓
Land mountainous.

Subdivision of T 28 S R 9 W.

Chains	
	Soil, light sandy loam, washed on slopes. Draws, stony on granite bedrock. Timber, scattering pine. Undergrowth, manzanita. Mountainous land 80.00 chs. Nov 1, 1910. At this cor. I set off 14°19' S on the decl. arc; and at 11h 44m a.m. l. m. t. observe the sun on the meridian the resulting lat is 38° 24' N.
	N 89°57' E on random line bet. secs. 1 & 12.
40.00	Set temp. 1/4 sec. cor.
79.98	Intersect E bdy of Tp. 24 lks N. of the cor of secs. 1, 6, 7 & 12, hereofore described. Nov 1, 1910. At 1h 44m p.m. l. m. t. I set off 38°24' N on the lat. arc; 14°21' S on the decl. arc; and determine a true meridian with the solar at the cor of secs. 1, 6, 7 & 12. Thence I run N 89°53' W on a true line bet. secs. 1 & 12. Descend over rough mountainous land through scattering pine timber, & thick oak mahogany & manzanita undergrowth.
12.50	South Fork of Ranch Canyon; spring branch 3 lks wide, 2 in. deep, runs N 300 ft. below sec. cor. ascend.
18.00	Leave scattering pine timber bears N & S.
20.00	Spur projects N 10° E, 400 ft above canyon, descend.
34.00	Draw drains N 50° W, 250 ft below spur, ascend
36.00	Spur projects N 45° W, 100 ft above draw, also leave oak, mahogany & manzanita underbrush
39.99	Set an iron post 3 ft. long, 1 in. diam. 26 in in ground, for 1/4 sec. cor. marked on brass cap 1/4 S 1 on N half; S 12 on S half. Raise a mound of stone 2 ft base 1 1/2 ft high N of cor. Pits impracticable.
43.00	Draw drains N 55° W, 150 ft. below spur, thence gentle ascent; also enter oak undergrowth.
55.00	Foot of abrupt ascent, thence very abrupt ascent

Subdivision of T 28 S R 9 W

chains	
56.00	Leave oak undergrowth, bears N 60° W & S 60° E
76.00	Ridge bears N 45° W & S 45° E, 200 ft above draw thence abrupt descent.
79.00	Enter scattering pine timber bears N 30° W & S 30° E
79.98	The cor of secs 1, 2, 11 & 12.
	Land, mountainous.
	Soil, light poor sandy loam; washed on slopes. Draws rocky on granite bedrock.
	Timber, scattering pine.
	Undergrowth, oak, mahogany & manzanita
	Mountainous land 79.98 chs.
	Nov. 1, 1910
	Nov. 3, 1910. At 8h 44m a. m. l. m. t. I set off 38° 24' N on the lat. arc; 14° 55' S on the decl. arc; and determine a true meridian, with the solar at the cor. of secs. 1, 2, 11 & 12.
	Thence I run
	N 0° 01' W on a random line bet. sec. 1 & 2.
40.00	Set temp 1/4 sec. cor.
85.16	Intersect N bdy of Tp. 51 lks E of cor of secs 1, 2, 35 & 36. heretofore described.
	Thence I run
	S 0° 03' E on a true line bet secs 1 & 2.
	Over mountainous land, through scattering aspen timber, birch, willow, & oak undergrowth, ascend.
2.50	Leave scattering aspen timber, birch & willow undergrowth, bears N 80° E, & S 80° W.
10.30	Spur projects N 45° W, 300 ft. above sec. cor.
	Enter mahogany, scattering cedar & pitch pine, bears NW. & SE.
32.00	Leave mahogany, scattering pine and cedar bears N 10° W & S 10° E.
40.00	Small canyon drains N 20° W, 300 ft. below spur, ascend
44.11	Set an iron post, 3 ft. long, 1 in. diam., 26 in. in ground for 1/4 sec. WC marked on brasscap T 28 S R 9 W 1/4 S 2 WC on W half S 1 on E half; from which

Sub. of T 28 S R 9 W.

Chains

Raise a mound of stone 2 ft base 1½ ft high.
W of cor. Pits impracticable.

45.16 Falls on small granite ledge, 50 ft high.
Mark a X, at exact 1/4 sec cor. point raise a mound of stone 2 ft. base, 1½ ft high, 2 ft. W of X. Pits impracticable.
Nov. 3, 1910. At this cor. I set off 14°57' S on the decl arc; and at 11 h 44 m a.m. l. m. t. observe the sun on the meridian, the resulting lat. is 38°25' N.

50.00 Enter scattering pine timber, manzanita undergrowth & granite blocks, bears N.W. & S.E.

80.00 Ridge bears N 50° W & S 50° E, 1100 ft above canyon descend.

85.16 The cor of secs. 1, 2, 11 & 12.
Land mountainous.
Soil, light sandy loam, coarse texture washed on slopes, on decomposing granite.
Timber, scattering pine, pitch pine, aspen and cedar. Undergrowth, mahogany, oak, willow, birch and manzanita.
Mountainous land 85.16 chs.

Nov. 3, 1910.

Oct 11, 1910. At 8 h 47 m a.m. l. m. t. I set off 38°20' N on the lat. arc; 6°50' S on the decl arc, and determine a true meridian with the solar at the cor of secs. 34 & 35 on S bdy of Tp. heretofore described. Thence I run
N 0° 01' W bet secs. 34 & 35.
Over mountainous land through mahogany and manzanita undergrowth, descend.

23.00 Draw drains W, 400 ft below cor. ascend.
Enter dense oak undergrowth bears E & W

36.00 Spur projects W, 200 ft above draw, descend.
Enter scattering pine timber, bears E & W.

40.00 Set an iron post 3 ft long, 1 in. diam. 26 in. in ground, for 1/4 sec. cor. marked on brass cap 1/4 S 34 on W half; S 35 on E half; from which
A mahogany tree, 8 in. diam. bears
N 45° E, 80 lks. dist. marked
1/4 S 35 T3J

Subdivision of T 28 S R 9 W.

chains	
	A pine tree, 8 in. diam. bears S 40° W, 1.50 chs. dist. marked 1/4 S 34 B.T.
44.00	Draw drains W, 300 ft. below spur, ascend
	Leave scattering pine timber.
61.00	Spur projects W, 250 ft. above draw, descend
72.00	Draw drains S 40° W, 300 ft below spur, ascend.
80.00	Set an iron post 3 ft long, 2 in. diam. 26 in. in ground, for cor. of secs. 26, 27, 34 & 35, marked on brass cap T 28 S S 27 in NW. R 9 W S 26 in NE. S 35 in SE. S 34 in SW, quadrant; from which A mahogany tree, 10 in. diam. bears N 72° E, 35 lks. dist. marked T 28 S R 9 W S 26 B.T. A mahogany tree, 8 in. diam. bears S 30° E, 26 lks dist. marked T 28 S R 9 W S 35 B.T. A mahogany tree, 6 in. diam. bears S 77° W, 45 lks dist. marked T 28 S R 9 W S 34 B.T. A mahogany tree, 7 in. diam. bears N 55° W, 47 lks. dist. marked T 28 S R 9 W S 27 B.T.
	Land mountainous
	Soil, light, sandy loam on ridges; slopes washed and stony. Draws stony on subsoil of decomposing granite.
	Timber, scattering pine. Undergrowth, oak, mahogany, & manzanita.
	Mountainous land 80.00 chs.
	Oct. 11, 1910. At this cor. I set off 6° 54' S on the decl. arc; and at 11 h 47 m a.m. l. m. t observe the sun on the meridian the resulting lat. is 38° 21' N.
	E on random line bet. secs. 26 & 35
40.00	Set temp. 1/4 sec. cor.

Subdivision of T 28 S R 9 W

chains	
80.05	Intersect N & S line, 5 lks N of cor of secs. 25, 26, 35 & 36.
	Sept 11, 1910. At 2h 47m. p.m. l.m.t. I set off
	38° 21' N on the lat. arc; 6° 56' S on the decl. arc;
	and obtain the true meridian with the solar
	at the cor of secs, 25, 26, 35 & 36.
	Thence I run
	N 89° 58' W on true line bet secs. 26 & 35.
	Over mountainous land through pine timber.
11.00	Leave heavy pine timber; enter mahogany
	oak and manzanita undergrowth bears
	NW. & SE.
12.00	Spur projects S 40° E, 400 ft above sec cor.
	Thence ascend along S slope.
31.00	Ridge bears N 20° E & S 20° W, 350 ft above spur, descend
40.02½	Set an iron post 3 ft long, 1 in diam. 26 in, in
	ground for 1/4 sec cor. marked on brass cap
	1/4 S 26 on N half; S 35 on S half.
	Raise a mound of stone 2 ft. base, 1½ ft high
	N of cor. Pits impracticable.
55.00	Enter scattering pine timber bears N & S.
60.00	Leave pine timber bears N & S
75.00	Head of draw drains S 40° W.
80.05	The cor. of secs. 26, 27, 34 & 35.
	Land mountainous.
	Ridges, light sandy loam, washed on slopes,
	stony. Draws, good brown sandy loam, fine,
	texture, some gravel, on decomposing
	gravel subsoil.
	Timber pine. Undergrowth, oak, mahogany
	and manzanita.
	Mountainous land 80.05 chs.
	Oct. 11, 1910
	Oct. 19, 1910. At 7h 45m a.m. l.m.t. I set off
	38° 21' N on the lat. arc; 9° 47' S on the decl. arc;
	and determine a true meridian with the
	solar at the cor of secs 26, 27, 34 & 35.
	Thence I run
	N 0° 01' W bet. secs. 26 & 27.
	Over mountainous land, through mahogany

Sub of T 28 S R 9 W.

chains	
	manzanita & oak undergrowth, ascend.
14.00	Spur projects S 15° W, 100 ft above cor.
33.50	Draw drains S 40° W, 200 ft below spur.
	Enter scattering aspen timber.
35.50	Leave scattering aspen timber bears S 40° W.
36.60	Set an iron post, 3 ft. long, 1 in diam. 26 in in ground for 1/4 sec. W.C. marked on brass cap T 28 S R 9 W 1/4 S 27 W C on W half S 26 in E half; from which
	An aspen tree, 8 in. diam. bears S 36° E, 1.10 chs. dist. marked W C 1/4 S 26 B J
	An aspen tree, 8 in. diam. bears S 17° W, 1.84 chs. dist. marked W C 1/4 S 27 B J
40.00	Granite boulder. Mark X (we mark spindle for 1/4 sec. cor.) Raise a mound of stone 2 ft. base, 1 1/2 ft high, 2 ft W of X. Pits impracticable.
46.00	Spur projects W 250 ft above draw, descend.
54.00	Draw spring branch, 2 lks. wide, 1 in. deep runs W, 300 ft below spur. Water sinks about 8.00 chs. W of line.
64.00	Spur projects W, 300 ft above draw.
70.00	Leave mahogany & manzanita undergrowth.
80.00	Set an iron post 3 ft long, 2 in diam. 24 in in ground for cor. of secs. 22, 23, 26 & 27 marked on brass cap T 28 S S 22 in N.W. R 9 W S 23 in N.E. S 26 in S.E. S 27 in SW quadrant; dig pits 18 X 18 X 12 in. in each sec. 5 1/2 ft. dist.: Raise a mound of earth 4 ft base 2 ft. high, W of cor.
	Land mountainous.
	Soil, S 64.00 chs poor, light sandy loam 3 to 10 in. deep, coarse texture, on decomposing granite subsoil; N 16.00 chs rich brown clay loam, 18 in. deep, fine texture, moist, on clay subsoil.

Subdivision of T28SR9W.

chains	
	Timber, scattering aspen. Undergrowth, oak, mahogany & manzanita. Mountainous land 80.00 chs.
	Oct. 19, 1910. At this cor. I set off 9°51' S on the decl. arc; and at 11 h 45 m. a.m. l. m. t. observe the sun on the meridian; the resulting lat is 38°22' N. S 89°58' E on random line bet. secs. 23 & 26.
40.00	Set temp 1/4 sec cor.
80.15	Intersect N & S line 16 lks N of cor of secs 23, 24, 25 & 26.
	Oct 19, 1910. At 2 h 45 m. p. m. l. m. t I set off 38°22' N on the lat. arc; 9°54' S on the decl. arc, and determine a true meridian with the polar at the cor. of secs. 23, 24, 25, & 26.
	Thence I run
	N 89°51' W on true line bet. secs. 23 & 26.
	Over mountainous land through dense pine timber, descend.
36.00	Leave pine timber.
40.07½	Falls on granite stone. Mark X at exact point for 1/4 sec. cor. Raise a mound of stone 2 ft. base, 1½ ft high N of cor.
41.00	Set an iron post 3 ft long, 1 in diam. 26 in. in ground for 1/4 sec. WC marked on brass cap T28S R9W 1/4 S 23 WC on N half. S 26 on S half; raise a mound of stone 2 ft base, 1½ ft high N of cor. Pits impracticable.
	Enter oak undergrowth, bears N & S.
50.00	Draw drains N 20° W, 900 ft below sec. cor. ascend.
	Enter mahogany undergrowth.
55.00	Low spur projects N 20° W, 100 ft. above draw.
60.25	Draw drains N 20° W, 150 ft below spur.
65.00	Low spur projects N 25° W, 200 ft above draw, descend
69.50	Draw drains N 20° W, 220 ft below spur.
73.00	Low spur projects N 225 ft above draw.
	Leave mahogany underbrush.
80.15	The cor. of secs. 22, 23, 26 & 27.
	Land mountainous
	E 50.00 chs high mountainous land slopes W.

Sub. of T 28 S R 9 W.

Chains

Soil, sandy loam 2 to 12 in. deep, coarse texture on granite subsoil
Covered with a good growth of pine timber.
W. 30.00 chs. rolling mountainous land.
slopes N. Soil, clay loam, sandy surface 5 to 9 in. deep, moist, medium texture on clay & granite subsoil.
Timber pine. Undergrowth oak & mahogany.
Mountainous land 80.15 chs.

Oct. 19, 1910.

Oct. 26, 1910. At 7h 44m a.m. l.m.t. I set off 38°22' N on the lat. arc; 12°15' S on the decl. arc; and determine the true meridian, with the solar at the cor. of secs. 22, 23, 26 & 27.
Thence I run
N 0°01' W bet. secs. 22 & 23.
Over gently rolling bench land sloping W, through oak brush.

5.00 Enter sage brush
21.00 Top of abrupt descent.
27.75 Draw spring branch, runs N.W, 3 lks wide 2 in deep, 1100 ft. below sec. cor. Water sinks about 15.00 chs. W. of this line.
36.00 Point of small spur projects W. 100 ft above draw, descend.
39.00 Small draw drains S W, 60 ft below spur.
110.00 Set an iron post 3 ft. long, 1 in. diam. 26 in in ground for 1/4 sec. cor. marked on brass cap 1/4 S 22 on W half; S 23 on E half.
Raise a mound of stone 2 ft. base, 1½ ft high W of cor. Pits impracticable.
119.00 Spur of granite projects W, 350 ft above draw.
75.15 Wagon road bears N.E. & S.W.
80.00 Set an iron post 3 ft long, 2 in. diam. 24 in. in ground, for cor of secs. 14, 15, 22 & 23, marked on brass cap
T 28 S S 15 in NW
R 9 W S 14 in N.E.
S 23 in S.E.

Subdivision of T 28 S R 9 W.

chains.	
	S 22 in SW. quadrant; dig pits 18x18x12 in. in each sec. 5½ ft. dist; raise a mound of earth 4 ft base, 2 ft high W of cor. Land, rolling mountainous & bench. Soil, rich, dark, clay loam 6 to 10 in. deep with small amount of sand on surface, medium texture, moist, on clay subsoil. No timber. Undergrowth sage and oak brush.
	S 89° 51' E on random line bet secs 14 & 23.
40.00	Set temp ¼ sec. cor.
80.04	Intersect N & S line 2 lks S of cor of secs. 13, 14, 23 & 24.
	Oct. 26, 1910. At this cor I set off 12° 20' S on the decl. arc; and at 11 h 44 m a.m. l. m. t. observe the sun on the meridian, the resulting lat is 38° 28' N.
	Thence I run
	W on a true line bet. secs. 14 & 23.
	Over broken mountainous land, through scattering pine timber & manzanita underbush
10.00	Leave scattering pine & enter mahogany.
20.00	Draw drains N.W. 500 ft below sec. cor.
	Also leave manzanita.
25.00	Spur projects N 20° W, 200 ft above draw.
33.00	Draw drains N 45° W, 150 ft below spur.
40.02	Set an iron post 3 ft long, 1 in diam. 26 in. in ground, for ¼ sec. cor. marked on brass cap ¼ S 14 in N half; S 23 in S half; from which
	A mahogany tree, 8 in. diam. bears N 21° W, 75 lks. dist. marked ¼ S 14 13 J
	A mahogany tree, 10 in. diam. bears S 22° E, 50 lks. dist. marked ¼ S 23 13 J
45.00	Spur projects N 45° W, 100 ft above draw.
	Also leave mountainous land.
47.00	Leave mahogany bears N & S.
	Enter sage brush & scattering oak.
47.75	Small draw drains N 25° W.

Subdivision of T 28 S R 9 W.

chains	
52.00	Low spur projects N 25° W.
74.50	Wagon road bears NE. & SW.
80.04	The cor of secs. 14, 15, 22, & 23.
	East 45.00 chs rough mountainous land, slopes W, Soil, light poor sandy loam 2 to 5 in. deep, coarse texture on decomposing granite subsoil.
	W 35.00 chs. rolling bench land, drains W. Soil rich clay loam 10 to 12 in. deep; fine texture, on clay subsoil.
	Timber, scattering pine.
	Underbrush, oak, sage and manzanita.
	Mountainous land 45.00 chs.
	Oct 26, 1910. At 2 h 44 m p. m. l. m. t. I set off 38° 23' N on the lat. arc; 12° 22' S on the decl arc; and determine a true meridian with the solar at the cor. of secs. 14, 15, 22 & 23.
	Thence I run
	N 0° 01' W bet. secs. 14 & 15.
	Over rolling bench land through sage brush
24.00	Small draw drains W.
25.60	Road bears E & W.
28.00	Low spur projects W.
37.00	Enter oak & mahogany, bears N 70° W & S 70° E.
40.00	Set an iron post 3 ft long, 1 in. diam, 26 in. in ground, for 1/4 sec. cor. marked on brass cap, 1/4 S 15 on W half; S 14 on E half.
	Raise a mound of stone 2 ft base, 1 1/2 ft. high W of cor. Pits impracticable.
43.00	Draw, 200 ft deep; spring branch 3 lks. wide, 2 in. deep runs N 60' W.
	Sinks about 10.00 chs W of line.
56.00	Point of spur projects W.
60.00	Draw drains W.
62.74	Foot of impassible ledges bears N 10° E & S 10° W from 100 to 500 ft high.
	Set an iron post 3 ft long, 2 in. diam. 24 in. in ground for W. C of secs. 14, & 15 marked on

Subdivision of T 28 S R 9 W.

chains	
	brass cap
	WC T28S R9W in N half
	S 14 in SE
	S 15 in SW, quadrant; raise a mound
	of stone 2 ft base, 1½ ft. high W of cor.
	Pits impracticable. ✓
	To pass the ledges I offset as follows
	E 6.6.4 chs
	Thence N 0°01' W
76.00	Enter scattering cedar
80.00	Set an iron post, 3 ft long, 2 in diam. 24 in
	in ground for WC of secs 11 & 14 marked
	on brass cap
	WC T28S R9W S11 in N half
	S14 in SE, quadrant; from which
	A cedar tree, 12 in. diam. bears
	N 10° W, 82 lks. dist. marked
	WC T28S R9W S11 BT
	A cedar tree, 16 in. diam. bears
	S 18° E, 57 lks. dist. marked
	WC T28S R9W S14 BT ✓
	Raise a mound of stone 2 ft base 1½ ft
	high W of cor. Pits impracticable.
	S 30.00 chs rolling bench land, slopes W
	Soil, rich clay loam, 6 to 10 in. deep, fine
	texture, moist, on clay subsoil.
	N 50.00 chs broken mountainous land.
	Ridges, granite stone. Draws, sandy loam
	mixed with gravel, on granite subsoil.
	Timber, scattering cedar.
	Undergrowth, sage, oak & mahogany.
	Mountainous land 50.00 chs
	Oct 26, 1910
	Oct 29, 1910. At 8h 44m a.m. l.m.t. I set off
	38°23' N on the lat. arc; 13°17' S on the decl. arc;
	and determine a true meridian with the
	solar at the WC bet secs 11 & 14.
	Thence I run
	E on random line bet secs 11 & 14

Subdivision of T28S R9W

Chains	
33.36	Set temp 1/4 sec cor
73.16	Intersect N & S line 9 lks S of cor of secs 11, 12, 13 & 14.
	Thence I run
	S 89°56' W on a true line bet. secs 11 & 14.
	Over broken mountainous land, through scattering pine timber, manzanita and mahogany brush, descend.
1.50	Draw spring branch, 1 lk wide, 1 in deep runs S 45° W.
	Leave scattering pine.
39.90	Falls on granite slope. Impossible to set cor on same. Mark X, at exact point for 1/4 sec. cor. raise a mound of stone 2 ft base 1/2 ft high, N of X. Pits impracticable.
43.00	Set an iron post 3 ft. long, 1 in. diam. 26 in in ground for 1/4 sec WC, marked on brass cap T28S R9W 1/4 S11 WC on N half S14 on S half; raise a mound of stone 2 ft base 1/2 ft high N of cor. Pits impracticable.
44.00	Spur project S 50° W, descend.
66.00	Leave mahogany bears N 60° E & S 60° W.
68.00	Draw drains S 15° W.
70.00	Enter scattering cedar, bears NE & SW.
73.16	The WC for secs 11 & 14, 6.64 chs. E of true cor. point.
	Land mountainous.
	Light poor sandy soil on ridges, coarse texture. Slopes washed. Draws, light sandy loam, with some gravel, on decomposing granite subsoil.
	Timber, scattering pine & cedar.
	Undergrowth, mahogany and manzanita.
	Mountainous land 73.16 chs.
	Oct. 29, 1910. At the W.C. for secs 11 & 14 I set off 13°20' S on the decl. arc; and at 11 h 44 m a.m. M.M.T observe the sun on the meridian the resulting lat is 38°23' N.
	Oct. 29, 1910

Subdivision of T28S R9W.

Chains	
	Nov. 2. 1910. At 8h 44m a.m. I put I set off 38°23' N on the lat. arc; 14°36' S on the decl. arc; and determine a true meridian with the solar at the W.C. of secs. 11 & 14.
	Thence I run
	N 0°01' W on an offset E 6.64 chs of the line bet. secs. 10 & 11.
	Over mountainous land, through scattering cedar timber & manzanita underbrush.
5.00	Enter oak, and mahogany underbrush
26.00	Spur projects W, 500 ft above W.C., thence abrupt descent.
	Leave scattering cedar bears E & W.
40.00	To get on true line bet secs. 10 & 11 I offset as follows
	W 6.64 chs.
	Set an iron post 3 ft long, 1 in. diam. 26 in in ground for 1/4 sec cor. marked on brass cap 1/4 S 10 on W half; S 11 on E half; raise a mound of stone 2 ft base 1/2 ft high, W of cor.
	Pits impracticable.
57.00	Foot of abrupt descent, bears NE & SW.
	Leave manzanita underbrush.
80.00	Set an iron post 3 ft. long, 2 in. diam. 26 in. in ground, for cor of secs 2, 3, 10 & 11, marked on brass cap
	T28 S S3 in NW
	R9 W S2 in NE.
	S11 in SE
	S10 in SW, quadrant; dig pits
	18 x 18 x 12 in. deep in each sec., 5 1/2 ft. dist.
	Raise a mound of earth 4 ft. base, 2 ft. high W of cor. ✓
	Land mountainous
	S 57.00 chs. high rugged mountains. Ridges with light sandy soil, and boulders.
	Washed on slopes and ledges. Draws washed and covered with boulders on granite bedrock.
	N. 23.00 chs, rolling land, sloping NW.
	Soil, clay and sandy loam, 4 to 10 in. deep

Subdivision of T 28 S R 9 W.

chains	
	medium texture, moist on clay and decomposing granite subsoil.
	Timber scattering cedar.
	Undergrowth, oak, mahogany & manzanita.
	Mountainous land 57.00 chs.
	Nov 2. 1910. At this cor. I set off 14° 39' S on the decl. arc; and at 11 h 44 m p.m. l.m.t. observe the sun on the meridian the resulting lat is 38° 24' N.
	N 89° 56' E on random line bet. secs. 2 & 11
40.00	Set temp 1/4 sec. cor.
79.90	Intersect N & S line 9 lks N of cor of secs 1, 2, 11 & 12.
	Nov 2. 1910. At 1 h 44 m p.m. l.m.t I set off 38° 24' N on the lat. arc; 14° 40' S on the decl. arc; and determine a true meridian with the solar at the cor of secs. 1, 2, 11 & 12.
	Thence I run
	W on true line bet. secs. 2 & 11
	Over broken mountainous land, through scattering pine timber, manzanita and mahogany undergrowth.
1.00	Head of small draw drains S E.
25.00	Spur projects S 40° W, 200 ft below sec. cor.
	Leave manzanita & mahogany.
34.95	Falls on granite slope; impossible to set cor. on same. Mark X. Raise a mound of stone 2 ft. base (& set temp. pipe for 1/4 sec. cor.) 1½ ft. high, N of X. Pits impracticable.
40.40	Set an iron post, 3 ft long, 1 in. diam. 26 in in ground, for 1/4 sec W C, marked on brass cap T 28 S R 9 W 1/4 S 2 W C in N half; S 11 in S half. Raise a mound of stone 2 ft. base, 1½ ft high N of cor. Pits impracticable.
41.00	Enter dense oak brush.
50.00	Draw drains N 80° W, 600 ft below spur, thence along bottom of draw; also leave rough mountainous land; enter rolling mountainous land.
54.00	Leave draw, drains S 80° W
64.00	Low spur projects S
64.50	Enter scattering cedar and pitch pine and

Subdivision of T28S R9W

Chains	
	leave oak brush bears N 40° E & S 40° W
71.50	Leave scattering cedar and pitch pine and enter oak, bears N & S.
74.00	Draw drains N 45° W.
75.50	Small spur projects N.
79.00	Small draw drains N.
79.90	The cor of secs. 2, 3, 10 & 11
	Land is all mountainous.
	Soil, poor sandy loam mixed with stones.
	Washed on slopes and ledges, coarse texture.
	Granite bedrock, and decomposing granite subsoil
	Timber, scattering pine, pitch pine & cedar.
	Undergrowth, oak, mahogany and manzanita.
	Mountainous land 79.90 chs.
	Nov. 2, 1910

Nov. 4, 1910. At 2 h 44 m p.m. t.m.t. I set off 38° 24' N on the lat arc; 15° 18' S on the decl. arc; and determine a true meridian with the solar at the cor of secs. 2, 3, 10 & 11.

Thence I run

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

40.00	Set temp 1/4 sec. cor.
85.17	Intersect N. bdy. of Tp, 10 lks E of cor of secs. 2, 3, 34 & 35 heretofore described. Thence I run
	S 0° 05 E on a true line bet. secs. 2 & 3.
	Over mountainous land.
15.65	Spur projects N 80° W, 400 ft above sec. cor.
	Enter scattering cedar and pitch pine timber bears E & W.
26.15	Road bears N 20° E & S 20° W, Minersville to Ranch Canyon.
43.17	Small draw drains W, 300 ft below spur.
45.17	Set an iron post 3 ft long, 1 in. diam. 26 in. in ground for 1/4 sec. cor. marked on brass cap 1/4 S 3 on W half; S 2 on E half; from which
	A cedar tree, 14 in. diam. bears S 50° E, 113 chs. dist. marked 1/4 S 3 13 J.

Subdivision of T 28 S R 9 W

chains	
	A cedar tree, 6 in. diam. bears S 68° W, 1.61 chs. dist. marked 1/4 S 2 B T.
65.00	Spur projects N 50° W, 200 ft above draw.
72.25	Leave cedar & pitch pine timber bears E & W.
75.00	Enter oak & mahogany underbrush bears NW & SE.
82.00	Draw drains NW, 225 ft below spur
85.17	The cor of secs 2, 3, 10 & 11
	Land rolling mountainous.
	Ridges with good brown clay loam, 4 to 15 in deep, fine texture on clay subsoil.
	Draws rich brown clay loam, 10 to 12 in. deep moist, on clay subsoil.
	Timber scattering pitch pine & cedar.
	Undergrowth, oak & mahogany
	Mountainous land 85.17 chs.
	Nov. 4, 1910.
	Oct. 15, 1910. At 7h 46 m. a.m. l. m.t. I set off 38° 20' N on the lat. arc; 8° 19' S on the decl. arc; and determine a true meridian with the solar at the cor. of secs 33 & 34 on S bdy. of Tp. heretofore described. Thence I run
	N 0° 02' W bet sec. 33 & 34.
	Over broken mountainous land, through mahogany undergrowth.
10.00	Draw drains E, 200 ft below cor.
16.00	Spur projects E, 250 ft above draw.
24.00	Enter scattering pine timber bears NW & SE.
25.00	Draw drains E, 300 ft below spur.
	Leave pine timber.
28.00	Spur projects E, 200 ft above draw, descend.
30.00	Leave mahogany & enter oak brush, bears E & W.
40.00	Set an iron post 3 ft long, 1 in. diam. 26 in in ground, for 1/4 sec. cor. marked on brass cap 1/4 S 33 on W half; S 34 on E half; raise a mound of stone 2 ft base, 1 1/2 ft high, W of cor.
	Pits impracticable.
58.00	Leave oak; enter sage brush bears NW & SE.
65.72	Beaver River Power Co's Line bears NW & SE.

Subdivision of T 28 S R 9 W

Chains	
75.75	Road bears NW & SE. Milford to Beaver.
80.00	Set an iron post 3 ft long, 2 in diam. 26 in in ground for cor of secs, 27, 28, 33 & 34 marked on brass cap T 28 S S 28 in NW R 9 W S 27 in NE. S 34 in SE S 33 in SW. quadrant; raise a mound of stone 2 ft base, 1½ ft high, W of cor. Pits impracticable. ✓ S 30.00 chs rough mountainous land. Ridges with light, poor sandy loam, washed on slopes, stony. Draws poor sandy loam on granite subsoil. N 50.00 chs. good brown sandy loam 3 to 10 in deep, with some loose stones on surface, medium texture, moist, on clay and decomposing granite subsoil. Timber, scattering pine. Undergrowth, oak, mahogany & sage. Mountainous land 80.00 chs.
	E on random line bet. secs. 27 & 34.
40.00	Set temp. ¼ sec. cor.
79.86	Intersect NS line, 9 lks N of cor of secs. 26, 27, 34 & 35. Thence I run N 89° 56' W on a true line bet. secs. 27 & 34. Over rolling mountainous land through mahogany and oak brush.
7.00	Spur projects S 70° W, 200 ft above sec. cor.
28.00	Draw drains N.W.
36.00	Spur projects NW.
39.93	Set an iron post 3 ft long, 1 in diam. 26 in in ground, for ¼ sec. cor. marked on brass cap ¼ S 27 on N half; S 34 on S half; raise a mound of stone 2 ft base, 1½ ft high, N of cor. Pits impracticable. ✓
70.00	Leave mahogany & enter sage brush
78.50	Bottom of draw drains NW. 450 ft below spur.
79.86	The cor. of secs. 27, 28, 33 & 34

Subdivision of T28S R9W.

Chains	
	E 75.00 chs. broken hilly land. Light sandy loam on ridges, 4 to 6 in. deep; coarse texture, loose stones on surface, on granite subsoil. Slopes, washed and stony.
	W 5.00 chs. sand & clay loam, 10 in. deep, fine texture, moist on clay subsoil.
	No timber.
	Undergrowth, mahogany, oak & sage
	Mountainous land 79.86 chs.
	Oct 15, 1910. At this cor I set off 8°23' S on the decl arc and at 11h 46m a.m. l.m.t. observe the sun on the meridian; the resulting lat is 38°21' N.
	Oct. 15, 1910
	Oct 20, 1910. At 7h 45m a.m. l.m.t. I set off 38°21' N on the lat arc; 10°8' S on the decl. arc; and determine a true meridian with the solar at the cor. of secs. 27, 28, 33 & 34.
	Thence I run
	N 0°02' W bet. secs. 27 & 28
	Over rolling mountainous land through scattering oak and sage brush.
4.00	Draw drains N 60° W. 70 ft below cor.
25.00	Low spur projects W. 200 ft above draw.
32.00	Draw drains S 30° W, 250 ft below spur.
34.00	Leave oak brush, bears E & W.
110.00	Set an iron post 3 ft long, 1 in. diam. 26 in. in ground, for 1/4 sec. cor. marked on brass cap 1/4 S 28 on W half; S 27 in E half; dig pits 18 x 18 x 12 in N & S of post, 3 ft dist; raise a mound of earth 3½ ft base, 1½ ft high W of cor.
112.00	South edge of bench, 150 ft above draw, bears N 70° W & S 70° E.
611.00	N edge of bench, ascend through granite blocks.
73.00	Spur projects NW, 250 ft above bench, descend. Leave granite blocks.
80.00	Set an iron post 3 ft long, 2 in. diam. 24 in. in ground, for cor of secs. 21, 22, 27 & 28, marked on brass cap T28S 821 in N.W.

Subdivision of T 28 S R 9 W.

chains

R 9 W S 22 in NE
S 27 in SE
S 28 in SW. quadrant; raise a mound of stone 2 ft base, 1½ ft high, W of cor.
Pits impracticable
Land mountainous and bench.
S 64.00 chs, bench and rolling mountainous land. Soil, clay and sand loam; friable 4 to 8 in. deep, medium texture, moist, on clay subsoil.
N 16.00 chs. mountainous land. Soil, gravelly & rocky, on decomposing granite subsoil.
No timber. Undergrowth, oak & sagebrush.
Mountainous land 80.00 chs.

S 89° 56' E on random line bet. secs. 22 & 27.
40.00 Set temp ¼ sec. cor.
79.92 Intersect N & S line 3 lks N. of cor. of secs. 22, 23, 26 & 27
Thence I run
N 89° 55' W on true line bet secs 22 & 27.
Over rolling bench land through scattering oak and thick sagebrush; sloping W.
12.00 Leave oak brush bears NW. & SE.
30.00 Low spur projects N 50° W
39.96 Set an iron post 3 ft long, 1 in diam. 26 in in ground, for ¼ sec cor. marked on brass cap ¼ S 22 on N half, S 27 on S half; dig pits 18 x 18 x 12 in E & W of post, 3 ft dist; raise a mound of earth 3½ ft base, 1½ ft high, N of cor.
44.00 Flat bottomed draw, drains N 45° W, 150 ft below spur.
58.00 Point of low spur projects N 45° W.
68.00 Small draw drains N 15° W.
79.92 The cor of secs. 21, 22, 27 & 28
Land rolling.
Soil, good, brown, sandy, clay loam, 10 to 15 in. deep, on clay subsoil.
No timber. Undergrowth, sage & oak
Oct. 20, 1910. At this cor. I set off 10°13' S on the

Subdivision of T 28 S R 9 W

chains

declare; and at this same point to run the
meridian; the resulting lat is
38°22' N.

Oct 20, 1910.

Oct. 22, 1910. At this same point set off
38°22' North lat. arc; 12°36' South dec. arc;
and determine a true meridian with the solar
at the cor. of secs. 21, 22, 27 & 28.
N 0°02' W bet. secs. 21 & 22.
Cross rolling bench land, through sagebrush.
6.00 Small rock butte, both E & W line, 100 ft high.
12.00 Wash drains W.
20.00 Low flat topped spur, projects W.
31.00 Wash drains W. Thence over rolling land.
32.00 Enter scattering cedar timber bears E & W.
33.00 Leave scattering cedar timber bears E & W
40.00 Set an iron post, 3 ft long, 1 in. diam. 26 in.
in ground, for the sec. cor., marked on brass cap
¼ S 21 in W half; S 22 in E half; from which
Cedar tree, 18 in. diam. bears
S 50° W. 2.50 chs. dist. marked
¼ S 21 B J
Dig pits 18 x 18 x 12 in. N & S of post, 3 ft dist.
Raise a mound of earth 3½ ft. base, 1½ ft
high W of cor.
67.25 Ridge of bench, descend.
70.00 Bot. of descent, thence across bottom of draw.
73.00 Road bears N 50° W & S 50° E.
74.00 Wash in bottom of draw drains N 30° W.
75.00 Enter scattering cedar, bears NE & SW.
80.00 Set an iron post, 3 ft long, 2 in. diam. 24 in
in ground, for cor. of secs. 15, 16, 21 & 22,
marked on brass cap
T 28 S 21 in NW
R 9 W S 15 in NE
S 22 in SE
S 21 in SW quadrant; from which
Cedar tree, 17 in. diam. bears
N 84° E. 2.20 chs. dist. marked.

Subdivision of T28S R9W.

Chains	
	T28S R9W S15 B.T.
	A cedar tree, 5 in diam. bears
	S 32° E, 3.99 chs. dist. marked
	T28S R9W S22 B.T.
	A cedar tree, 5 in. diam. bears
	S 71° W, 3.00 chs. dist marked
	T28S R9W S21 B.T.
	A cedar tree, 25 in. diam. bears
	N 42° W, 3.00 chs. dist. marked
	T28S R9W S16 B.T.
	Land rolling
	Soil, good, rich sandy loam, 12 to 24 in. deep
	medium texture, on clay subsoil; slopes W.
	Timber scattering cedar.
	Undergrowth; sage.
	S 89°55' E on random line bet. secs. 15 & 22.
40.00	Set temp 1/4 sec cor
80.00	Intersect N & S line 14 lks S of cor of secs 14, 15, 22 & 23.
	Thence I run
	S 89°59' W on a true line bet secs 15 & 22.
	Over rolling bench land through oak and
	sagebrush.
8.00	Leave oak brush bears N 30° E & S 30° W.
40.00	Set an iron post 3 ft long, 1 in diam. 26 in
	in ground, for 1/4 sec. cor. marked on brass cap
	1/4 S 15 on N half; S 22 on S half; dig pits
	18 x 18 x 12 in. E & W of post, 3 ft dist; raise a
	mound of earth 3 1/2 ft base, 2 1/2 ft high N of cor.
47.00	Enter scattering cedar, bears N & S
70.00	W. end of bench, descend.
74.00	Foot of descent.
80.00	The cor of secs. 15, 16, 21 & 22.
	Land, rolling.
	Soil, good rich sandy loam, 12 to 24 in
	deep, medium texture, moist, on clay
	subsoil. Slopes W.
	Timber scattering cedar.
	Undergrowth, oak and sage

Subdivision of T28S R9W

Oct 27, 1910. At this cor I set off 12°40' S on the decl. arc; and at 11 h 44 m. l. m. t. observe the sun on the meridian, the resulting lat is 38°23' N.

Oct. 27, 1910.

Oct. 28, 1910. At 2 h 44 m. p. m. l. m. t I set off 38°23' N on the lat arc; 13°02' S on the decl. arc; and determine a true meridian with the solar at the cor of secs. 15, 16, 21 & 22
Thence I run
N 0°02' W bet. secs 15 & 16.
Over rolling land, through scattering cedar and sage brush, ascend.

5.00 Low spur projects W, 200 ft above cor.
Enter heavy cedar, bears E & W
30.50 Draw drains W, 100 ft below spur
Leave heavy; enter scattering cedar, bears E & W.
39.00 Spur projects W, 150 ft above draw.
40.00 Set an iron post, 3 ft long, 1 in. diam. 26 in in ground, for 1/4 sec cor., marked on brass cap
1/4 S16 in W half; S15 in E half; from which
A cedar tree, 12 in. diam. bears
N 80° E, 36 lks. dist. marked
1/4 S15 13 J
A cedar tree, 8 in. diam. bears
N 70° W, 96 lks. dist. marked
1/4 S16 13 J
72.65 Road bears N 60° W & S 60° E.
80.00 Set an iron post 3 ft long, 2 in. diam. 24 in. in ground, for cor. of Secs. 9, 10, 15 & 16 marked on brass cap:
T28 S S9 in NW.
R9W S10 in NE.
S15 in SE
S16 in SW, quadrant, from which
A cedar tree, 6 in. diam., bears
N 13° E, 1.36 chs. dist. marked
T28S R9W S10 13 J
A cedar tree, 7 in. diam. bears

Subdivision of T28S R9W.

chains

S 57°E, 2.09chs. dist. marked
T28S R9W S15 B.T.
A cedar tree, 5in. diam. bears
S 64°W, 1.60chs dist. marked
T28S R9W S16 B.T.
A cedar tree, 9in. diam. bears
N 35°W, 2.80chs. dist. marked
T28S R9W S9 B.T.
Land rolling.
Soil, good rich sandy loam, 12 to 24 in. deep, medium texture, moist, on clay subsoil. Slopes W.
Timber, cedar. Undergrowth, sagebrush.
Oct. 28, 1910

Oct. 29, 1910. At 1h 44m p.m. l.m.t. I set off 38°23'N on the lat. arc; 13°22'S on the decl. arc; and determine a true meridian with the solar at the cor. of secs. 9, 10, 15 & 16.
Thence I run
N 89°59'E on random line bet. secs. 10 & 15
40.00 Set temp 1/4 sec cor.
61.35 Base of impassible granite ledges.
To pass ledges I offset as follows
S 0°02'E 17.26 chs
N 89°59'E, 18.85 chs.
80.20 Intersect N & S line 5 lks S of WC for cor. secs 14 & 15.
Thence I run
S 89°57'W 18.85 chs. on offset line in lieu of line bet. secs. 10 & 15.
N 0°02'W, 17.26 chs to point on true line bet secs 10 & 15, 18.85 chs. S. 89°57'W. of true cor. point
Thence
S 89°57'W on true line bet secs 10 & 15
Over mountainous land, through scattering cedar timber, and oak brush.
40.10 Set an iron post 3 ft long 1in. diam. 26in in ground for 1/4 sec. cor. marked on brass cap 1/4 S10 in N half; S15 in S half; from which
A cedar tree, 5in. diam. bears

Subdivision of T28S R9W

Chains	
	N 01° E, 1.06 chs dist marked 1/4 S 10 13 J
	A cedar tree, 6 in. diam. bears S 22° E, 56 lks dist. marked 1/4 S 15 13 J.
41.00	Leave scattering cedar, and enter sagebrush bears NW & SE.
49.50	Draw drains N 70° W
56.00	Foot of ascent bears N 80° W & S 80° E.
61.00	Top of E. edge of bench bears N 80° W & S 80° E.
75.00	Enter scattering cedar, bears NE & SW.
80.20	The cor. of secs 9, 10, 15 & 16
	E 60.00 chs high rolling land, broken. Poor, loose sandy loam on ridges, washed on slopes, stony. Draws, good brown sandy loam on decomposing granite subsoil.
	W 20.00 chs, bench land, sloping W. Soil, good brown sandy loam 10 to 15 in. deep, medium texture, moist, on clay subsoil.
	Timber scattering cedar.
	Undergrowth, sage and oak.
	Mountainous land 60.00 chs.
	Oct 29. 1910

Nov. 4, 1910. At 7 h 44 m. a. m. l. m. t. I set off 38° 23' N on the lat. arc; 15° 11' S on the decl. arc; and determine a true meridian with the solar at the cor. of secs. 9, 10, 15 & 16.

Thence I run

N 0° 02' W bet. secs. 9 & 10.

Over rolling land, through scattering cedar, and sage brush

4.00	Leave scattering cedar.
10.00	Leave N edge of bench, bears N 80° W & S 80° E, descend.
15.50	Draw drains N 80° W, ascend.
25.00	Granite spur projects N 80° W, 350 ft above draw, descend.
35.00	Foot of descent, 250 ft below spur, bears

Subdivision of T28SR9W

Chains	
	N80°W & S80°E.
	Enter heavy cedar and pitch pine, bears E & W.
40.00	Set an iron post, 3 ft long 1 in diam. 26 in in ground, for 1/4 sec. cor, marked on brass cap 1/4 S9 on W half; S10 on E half, from which
	a pitch pine tree, 14 in diam bears S45° E, 14 lks dist. marked 1/4 S10 B J
	a cedar tree, 6 in. diam bears S55° W, 29 lks dist. marked 1/4 S9 B J.
56.50	Road bears NE & SW, Minersville to Ranch Canyon
80.00	Set an iron post, 3 ft long, 2 in diam. 24 in. in ground, for cor. of secs, 3, 4, 9 & 10 marked on brass cap.
	T28S S4 in NW.
	R9W S3 in NE
	S10 in SE
	S9 in SW quadrant, from which
	a cedar tree, 10 in diam. bears N60° E, 84 lks dist. marked T28S R9W S3 B J
	a cedar tree, 17 in. diam. bears S71° E, 1.34 chs. dist. marked T28S R9W S10 B J
	a cedar tree, 25 in. diam. bears S84° W, 1.84 chs. dist. marked T28S R9W S9 B J
	a cedar tree, 6 in. diam. bears N39° W, 1.16 chs. dist. marked T28S R9W S4 B J
	Land rolling and mountainous.
	S10:00 chs & N45.00 chs, bench land, slopes W
	Soil good, rich sandy loam, 4 to 15 in. deep medium texture, moist, on clay subsoil.
	Central portion is mountainous broken land. Poor light sandy loam on ridges. Washed on slopes. Draws good brown sandy loam on decomposing granite subsoil.
	Timber pitch pine and cedar.

Subdivision of T28SR9W.

chains	
	Undergrowth, sagebrush.
	Mountainous land 25.00chs.
	N89°57'E on random line bet. secs. 3 & 10.
40.00	Set temp. 1/4 sec. cor.
80.10	Intersect N & S line 3 lks S. of the cor of secs 2, 3, 10 & 11.
	Thence I run
	S89°56'W on true line bet. secs 3 & 10.
	Over rolling bench land; through oak and sage brush.
4.00	Low spur projects N10°W. Also leave oakbrush
20.00	Enter scattering cedar bears N10°E & S10°W.
40.05	Set an iron post 3 ft long, 1 in. diam. 26 in in ground, for 1/4 sec. cor. marked on brass cap 1/4 S 3 on N half; S 10 in S half; from which
	A cedar tree; 8 in. diam. bears
	N 01°E, 1.00 ch. dist marked
	1/4 S 3 B J
	A cedar tree, 9 in. diam. bears
	S 48° E, 56 lks dist. marked
	1/4 S 10 B J.
	Nov. 4, 1910. At this cor I set off 15°16' S on the declarc; and at 11 h 44 m. a.m. l.m.t observe the sun on the meridian; the resulting lat is 38°24'N.
47.24	Wagon road bears NE & SW, Minersville to Ranch Canyon.
49.00	Leave scattering cedar: enter heavy cedar and pitch pine, bears NE. & SW.
62.00	Small knoll, 75 ft high.
80.10	The cor. of secs. 3, 4, 9 & 10.
	Land rolling
	Soil, good brown sandy loam, 2 ft deep medium texture, moist, on clay subsoil.
	Timber cedar and pitch pine.
	Undergrowth, oak and sage.
	Nov. 4. 1910
	This 8th day of Nov. 1910 Fred Sharp resigns as flagman. No officer authorized to administer oaths, other

Subdivision of T28S R9W.

Chains

than myself, being available, without great inconvenience, delay and expence, I administer the required final oaths. As I was unable to obtain help sooner, Nov. 25, 1910, I employ Ernest Harmer to perform the duties of flagman, William B Clark as moundman and administer the required preliminary oaths.

John W. Dougall
Instrumentman S. L. O.

Nov. 28, 1910. At 8h 48m a.m. l.m.t. I set off 38°24' N on the lat arc; 21°12' S on the decl arc; and determine a true meridian with the solar at the cor of secs. 3, 4, 9 & 10.
N 0°02' W on a random line bet. secs. 3 & 4.
110.00 Set temp 1/4 sec. cor.
85.25 Intersect. N bdy. of Tp at cor of secs. 3, 4, 33 & 34.
heretofore described. Thence I run
S 0°02' E on a true line bet. secs. 3 & 4.
Over rolling benchland through scattering cedar & sage.
2.00 Low spur projects NW, 70 ft above cor.
8.00 Draw drains NW; leave scattering cedar, bears NW & SE.
45.25 Set an iron post, 3 ft long, 1 in. diam. 26 in. in ground, for 1/4 sec. cor; marked on brass cap 1/4 S 4 on W half; S 3 on E half; dig pits 18x18x12 in N & S of post, 3 ft dist; and raise a mound of earth 3½ ft base, 1½ ft high, W of cor.
60.00 Enter cedar, bears E & W
85.25 The cor of secs. 3, 4, 9 & 10.
Land rolling.
Soil, rich, brown, sandy loam, 12 to 20 in. deep; fine texture, moist, on clay subsoil.
Timber cedar. Undergrowth, sagebrush.
Nov. 28, 1910

Oct. 15, 1910. At 1h 46m p.m. l.m.t. I set off 38°20' N on the lat. arc; 8°25' S on the decl. arc; and determine a true meridian with the solar at the cor of secs 32 & 33 on S. bdy. of Tp. heretofore described.
Thence I run
N 0°03' W bet. secs. 32 & 33.
Over mountainous land, through scattering pine timber, oak & mahogany brush, descend.

Subdivision of T 28 S R 9 W.

Chains	
8.00	Small spring of good water, 1.00 ch E of line.
	Water sinks soon after leaving spring.
20.00	Leave scattering pine timber, bears NW & SE.
32.00	Old timber road bears NW & SE.
33.00	Bottom of small canyon drains NW 500 ft. below cor.
40.00	Set an iron post 3 ft long, 1 in. diam. 26 in. in ground for 1/4 sec. cor. marked on brass cap,
	1/4 S 32 on W half; S 33 on E half; from which
	A mahogany tree, 10 in. diam. bears
	S 70° E, 19 lks. dist. marked
	1/4 S 33 B T
	A mahogany tree, 6 in. diam. bears
	S 62° W, 13 lks. dist. marked
	1/4 S 32 B T ✓
45.00	Spur projects N 20° W, 400 ft above canyon.
52.00	Leave mahogany, bears N 15° W & S 15° E.
61.00	Head of draw drains N 10° W. Thence over rolling land.
80.00	Set an iron post 3 ft long, 2 in. diam. 24 in. in ground for cor of secs. 28, 29, 32, 33, marked on brass cap
	T 28 S S. 29 in NW
	R 9 W S 28 in NE
	S 33 in SE
	S 32 in SW, quadrant; dig pits 18 x 18 x 12 in in each sec 5 1/2 ft. dist; and raise a mound of earth 4 ft base, 2 ft high, W of cor. ✓
	Land mountainous.
	S 65.00 chs. broken mountainous land. Soil on ridges poor, light, sandy loam; stony; washed on slopes. Valleys with loose rocks & gravel. Drains NW: decomposing limestone subsoil. N 15.00 chs. rolling land slopes N. Soil light sandy loam, 4 to 15 in. deep, medium texture, moist, on clay subsoil.
	Timber, scattering pine. Undergrowth, oak & mahogany.
	Mountainous land 61.00 chs.
	E on random line bet. secs. 28 & 33.
40.00	Set temp 1/4 sec. cor.
80.08	Intersect N & S line 5 lks S of cor. of secs. 27, 28, 33, 34.
	Thence I run
	S 89° 58' W on true line bet. secs. 28 & 33

Subdivision of T 28 S R 9 W.

Chains	
	Over rolling land, through oak & sage brush
5.00	Wagon road bears NW. & SE., Milford to Beaver.
17.50	Beaver River Power Co's line, bears NW & SE.
40.04	Set an iron post 3 ft long, 1 in. diam. 26 in in ground, for 1/4 sec. cor. marked on brass cap 1/4 S 28 in N half; S 33 in S half; dig pits 18 x 18 x 12 in. E & W of post, 3 ft dist.; raise a mound of earth 3½ ft base, 1½ ft high N of cor.
51.00	Draw drains N 45° W.
72.00	Low spur projects N 10° W
80.08	The cor of secs. 28, 29, 32 & 33.
	Land rolling.
	Soil, rich, brown clay loam 4 to 15 in. deep medium texture, moist; on clay subsoil.
	No timber. Underbrush, oak & sage
	Oct 15, 1910.

Oct. 20, 1910. At 1h 45m p.m. l.m.t. I set off 38° 21' N on the lat. arc; 10° 15' S on the decl. arc; and determine a true meridian with the solar at the cor of secs. 28, 29, 32 & 33.

Thence I run

N 0° 03' W bet. secs. 28 & 29.

Chains	
	Over rolling bench land, through oak and sage brush.
26.00	Enter scattering cedar bears NW & SE.
28.00	Small draw drains N 20° W.
36.00	Beaver River Power Co's line bears N 69° W.
40.00	Set an iron post 3 ft long 1 in. diam. 26 in in ground for 1/4 sec. cor. marked on brass cap 1/4 S 29 in W half; S 28 in E half; from which A cedar tree, 6 in. diam. bears N 74° E, 43 lks. dist. marked 1/4 S 28 13 J A cedar tree, 7 in. diam. bears S 52° W, 1.27 chs dist. marked 1/4 S 29 13 J
50.00	Draw drains N 70° W
74.80	Wagon road bears N 80° W & S 80° E, Milford to Beaver
80.00	Set an iron post, 3 ft long, 1 in. diam. 26 in

Subdivision of T28S R9W.

chains

in ground, for cor. of secs. 20, 21, 28 & 29, marked on brass cap
T28S S20 in NW.
R9W S21 in NE
S28 in SE
S29 in SW, quadrant, from which
A cedar tree, 24 in. diam. bears
N46°E, 50 lks. dist. marked
T28S R9W S21 B.T.
A cedar tree, 6 in. diam, bears
S50°E, 63 lks. dist. marked
T28S R9W S28 B.T.
A cedar tree, 7 in. diam. bears
S21°W, 17 lks. dist. marked
T28S R9W S29 B.T.
A cedar tree, 21 in. diam. bears
N19°W, 1.95 chs. dist. marked
T28S R9W S20 B.T.
Sand, rolling bench.
Soil, rich brown clay loam, 10 to 15 in. deep medium texture, moist, on clay subsoil.
Timber, cedar. Undergrowth, oak & sage.

N89°58'E on random line bet. secs. 21 & 28.
110.00 Set temp 1/4 sec. cor.
80.15 Intersect N&S line 21 lks N of cor. of secs. 21, 22, 27 & 28.
Thence I run
N89°53'W on true line bet. secs. 21 & 28
Over rolling land through sage brush.
6.00 Spur projects 100 ft above cor.
32.00 Draw drains NW; also enter scattering cedar timber bears NW & SE.
40.00 Set an iron post 3 ft long, 1 in diam. 26 in in ground, for 1/4 sec. cor. marked on brass cap
1/4 S21 on N half; S28 in S half; from which
A cedar tree, 10 in. diam. bears
N68°W, 7 lks. dist. marked
1/4 S21 B.T.
A cedar tree, 8 in. diam. bears

Subdivision of T28S R9W

Chains	
	S27° E, 60 lks. dist. marked 1/4 S28 B.T.
45.00	Point of spur projects NW.
55.60	Road bears N & S, Milford Road to Ranch Canyon.
80.15	The cor of secs 20, 21, 28 & 29.
	Land rolling.
	E 10.00 chs. stony ground. W 70.00 chs. rich sandy loam, 7 to 15 in dep, medium texture, moist, on clay subsoil.
	Timber, scattering cedar. Undergrowth, sage.
	Oct. 20, 1910

Oct 27, 1910. At 1h 44m p.m. l.m.t. I set off 38°22' N on the lat. arc; 12°42' S on the decl. arc; and determine a true meridian with the solar at the cor of secs. 20, 21, 28 & 29.

Thence I run

N 0°03' W bet. secs. 20 & 21.

Over rolling land, through scattering cedar & sage brush.

40.00	Set an iron post 3 ft long, 1 in diam. 26 in. in ground for 1/4 sec. cor. marked on brass cap 1/4 S20 in W half; S21 in E half; from which
	A cedar tree, 10 in diam. bears S45° E, 57 lks. dist. marked 1/4 S21 B.T.
	A cedar tree, 8 in. diam. bears N. 19° W. 57 lks dist. marked 1/4 S20 B.T.
59.00	Wash drains N 80° W
61.60	Wood road bears E & W.
80.00	Set an iron post 3 ft long, 2 in. diam. 24 in. in ground, for cor of secs. 16, 17, 20 & 21 marked on brass cap
	T28S S17 in NW
	R9W S16 in NE
	S21 in SE
	S20 in SW, quadrant; from which
	A cedar tree, 8 in. diam. bears N 63° E, 2.63 chs dist. marked

Subdivision of T 28 S R 9 W

chains	
	T28SR9W S16 B.T. A cedar tree, 6 in diam bears S 12° E, 2.29 chs. dist. marked T28SR9W S21 B.T. A cedar tree, 8 in. diam bears S 61° W, 1.81 chs. dist. marked T28SR9W S20 B.T. A cedar tree, 8 in. diam bears N 67° W, 1.23 chs dist. marked T28SR9W S17 B.T. Land rolling. Soil, rich, brown clay loam, 2 ft deep, medium texture, moist on clay subsoil. Timber, scattering cedar. Undergrowth, sage.
	S 89° 53' E, on random line bet. secs. 16 & 21.
40.00	Set temp 1/4 sec. cor.
79.90	Intersect N & S line 28 lks S of cor. of secs. 15, 16, 21 & 22.
	Thence I run
	S 89° 55' W on a true line bet. secs. 16 & 21
	Over rolling land, through scattering cedar and sage brush.
4.00	Bottom of draw drains NW.
18.40	Wood road bears N 80° W & S 80° E.
20.00	Enter heavy cedar timber bears, N 40° E & S 40° W.
28.00	Leave heavy cedar timber bears N 45° E & S 45° W.
28.25	Wood road, bears N 80° E, & S 80° W.
39.95	Set an iron post 3 ft long, 1 in. diam. 26 in in ground, for 1/4 sec. cor. marked on brass cap 1/4 S16 in N half; S 21 in S half; dig pits 18 x 18 x 12 in E & W of post, 3 ft. dist., raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high N of cor.
52.00	Road bears N & S, from Milford Road to Ranch Canyon.
57.00	Enter scattering cedar timber bears N & S.
79.90	The cor. of secs. 16, 17, 20 & 21.
	Land rolling.
	Soil, rich, clay loam, fine texture, moist, 2 ft deep, on clay subsoil

Subdivision of T28S R9W.

chains

Timber, cedar. Undergrowth, sagebrush.
Oct. 27, 1910

Nov. 5, 1910. At 7h 14m a.m. l.m.t. I set off 38°23' N on the lat. arc; 15°30' S on the decl. arc; and determine a true meridian, with the solar at the cor. of secs. 16, 17, 20, & 21.
Thence I run
N 0°03' W bet. secs. 16 & 17.
Over rolling bench land, through scattering cedar timber and sagebrush.
40.00 Set an iron post 3 ft long, 1 in. diam. 26 in in ground, for 1/4 sec. cor. marked on brass cap
1/4 S17 in W half; S16 in E half; from which
A cedar tree, 6 in. diam. bears
N 67° E, 52 lks. dist. marked
1/4 S16 13 J.
A cedar tree, 7 in. diam. bears
N 61° W, 80 lks. dist. marked
1/4 S17 13 J
47.00 Wash drains W.
51.00 Point of low spur projects W.
80.00 Set an iron post 3 ft long, 2 in. diam. 24 in in ground, for cor. of secs. 8, 9, 16 & 17. marked on brass cap
T28S S8 in NW
R9W S9 in NE
S16 in SE
S17 in SW. quadrant; from which
A cedar tree, 10 in. diam. bears
N 39°30' E, 2.58 chs. dist. marked
T28S R9W S9 13 J.
A cedar tree, 6 in. diam. bears
S 56° E, 42 lks dist. marked
T28S R9W S16 13 J.
A cedar tree, 9 in. diam. bears
S 70° W, 2.87 chs dist. marked
T28S R9W S17 13 J
A cedar tree, 10 in diam. bears
N 47° W, 3.27 chs. dist. marked

Subdivision of T 28 S R 9 W

Chains	
	T 28 S R 9 W S 8 B J
	Land, rolling bench.
	Soil, rich clay loam, 14 to 20 in. deep, fine texture, moist, on clay subsoil.
	Timber, scattering cedar. Undergrowth, sage.
	N 89° 55' E, on random line bet. secs. 9 & 16.
40.00	Set temp. 1/4 sec. cor.
79.82	Intersect N & S line 16 lks S of cor of secs. 9, 10, 15 & 16.
	Thence I run
	S 89° 48' W on true line bet. secs. 9 & 16
	Over rolling bench land, through scattering cedar timber & sagebrush.
11.85	Wood road bears N 50° E & S 50° W
24.96	Road bears N 15° E & S 15° W, from Milford Road to Ranch Canyon.
39.91	Set an iron post 3 ft long, 1 in. diam. 26 in. in ground, for 1/4 sec. cor. marked on brass cap 1/4 S 9 on N half; S 16 on S half; from which
	A cedar tree, 5 in. diam. bears N 65° W, 77 lks. dist. marked 1/4 S 9 B J
	A cedar tree, 7 in. diam. bears S 1° 30' W, 1.64 chs. dist. marked 1/4 S 16 B J.
79.82	The cor. of secs. 8, 9, 16 & 17.
	Land rolling bench.
	Soil, good, rich clay loam 14 to 18 in. deep, fine texture, moist, on clay subsoil.
	Timber, scattering cedar. Undergrowth, sage.
	N 0° 03' W bet. secs. 8 & 9.
	Over rolling bench land, through scattering cedar and sagebrush.
1.33	Road bears NE & SW, Minersville to Ranch Canyon.
35.10	Wood road bears N 80° W & S 80° E.
40.00	Set an iron post, 3 ft long, 1 in. diam. 26 in. in ground, for 1/4 sec. cor. marked on brass cap

Subdivision of T 28 S R 9 W.

Chains	
	1/4 S 8 on W half; S 9 on E half; from which
	A cedar tree, 6 in. diam. bears
	N 61° E, 37 lks. dist. marked
	1/4 S 9 T 3 J
	A cedar tree, 8 in. diam, bears
	S 78° W, 52 lks. dist. marked
	1/4 S 8 T 3 J
48.00	N. edge of bench, bears N 80° W & S 80° E. descend.
53.00	Foot of descent.
61.00	Wash in bottom of draw bears N 13° W & S 40° E.
80.00	Set an iron post 3 ft long, 2 in. diam. 24 in. in ground. for cor. of secs. 4, 5, 8 & 9 marked on brass cap
	T 28 S S 5 in NW
	R 9 W S 4 in NE
	S 9 in SE
	S 8 in SW, quadrant; from which
	A cedar tree, 7 in. diam. bears
	N 88° E, 1.45 chs. dist. marked
	T 28 S R 9 W S 4 B J
	A cedar tree, 6 in. diam. bears
	S 7° E, 1.00 ch. dist. marked
	T 28 S R 9 W S 9 B J
	A cedar tree, 7 in. diam. bears
	S 73° W, 4.18 chs. dist. marked
	T 28 S R 9 W S 8 B J
	A cedar tree 6 in. diam. bears
	N 82° 30' W, 3.55 chs. dist. marked
	T 28 S R 9 W S 5 B J
	Land, rolling bench.
	Soil, good rich clay loam, 14 to 20 in. deep fine texture, moist, on clay subsoil.
	Timber, scattering cedar, Undergrowth sage.
	Nov. 5, 1910. At this Cor. I set off 15° 35' S on the decl. arc; and at 11 h 44 m. a.m. l. m. t. observe the sun on the meridian; the resulting lat is 38° 24' N

Subdivision of T 28 S R 9 W.

chains	
	N 89°48' E on random line bet. secs. 4 & 9
40.00	Set temp. 1/4 sec. cor.
79.86	Intersect N & S line 39 lks N of cor. of secs. 3, 4, 9 & 10.
	Thence I run
	N 89°55' W on true line bet. secs. 4 & 9.
	Over bench land through heavy cedar and sage
2.00	Leave heavy cedar; enter scattering cedar
	bears N 45° E & S 45° W
24.00	Head of draw drains NW.
30.50	Small spur projects N 45° W.
39.93	Set an iron post 3 ft long, 1 in. diam. 26 in. in
	ground for 1/4 sec. cor. marked on brass cap
	1/4 S 4 on N half; S 9 on S half; from which
	A cedar tree, 5 in. diam. bears
	N 11° W., 2.86 chs. dist. marked
	1/4 S 4 B J
	A cedar tree, 11 in. diam. bears
	S 35° E, 2.65 chs. dist. marked
	1/4 S 9 B J.
74.00	E bank of draw
79.86	The cor. of secs. 4, 5, 8, & 9.
	Land rolling
	Soil, with the exception of 10 or 12 chs. E of the central portion which is stony, is rich sandy loam 10 to 15 in. deep, medium texture moist, on clay subsoil
	Timber, cedar. Undergrowth, sage brush.
	Nov. 5, 1910

	Nov. 28, 1910. At 9h 48m a.m. l.m.t. I set off 38°24' N on the lat. arc; 21°13' S on the decl. arc; and determine a true meridian with the solar at the cor. of secs. 4, 5, 8 & 9.
	Thence I run
	N 0°03' W on random line bet. secs. 4 & 5
40.00	Set temp 1/4 sec cor.
85.40	Intersect N. bdy. of Tp. 7 lk E. of cor. of secs. 4, 5, 32 & 33. heretofore described. Thence I run
	S 0°06' E on a true line bet. secs. 4 & 5.
	Over rolling bench land, through scattering

Subdivision of T. 28 S R 9 W.

chains	
	cedar timber and sagebrush.
37.00	Wash drains NW.
45.40	Set an iron post 3 ft. long, 1 in. diam. 26 in. in ground, for 1/4 sec. cor. marked on brass cap 1/4 S 5 on W half; S 4 on E half; from which A cedar tree, 8 in. diam. bears S 88° E, 1.16 chs. dist. marked 1/4 S 4 B.T. A cedar tree, 16 in. diam. bears S 85° W, 84 lks. dist. marked 1/4 S 5 B.T.
75.00	S edge of bench, bears N 60° W & S 60° E.
85.40	The cor. of secs. 4, 5, 8 & 9.
	Land rolling.
	Soil, rich, brown, clay loam, 4 to 16 in. deep fine texture, moist, on clay subsoil.
	Timber, scattering cedar, Undergrowth, sage.
	Nov. 28, 1910
	Oct. 21, 1910. At 8 h 45 m a. m. l. m. t. I set off 38° 20' N on the lat arc; 10° 31' S on the decl. arc; and determine a true meridian with the solar at the cor. of secs. 31 & 32 on S bdy. of Tp. heretofore described. Thence I run
	N 0° 03' W between secs. 31 & 32
	Over mountainous land, through scattering pine and aspen timber, mahogany and oak brush.
8.00	Leave scattering pine & aspen, bears NW & SE.
10.00	Draw drains N 45° W.
36.00	Enter cedar, bears NW & SE.
	Leave mahogany and oak brush.
40.00	Set an iron post 3 ft. long, 1 in. diam. 26 in. in ground for 1/4 sec. cor. marked on brass cap 1/4 S 31 on W half; S 32 on E half; from which A cedar tree, 8 in. diam. bears S 57° E, 50 lks. dist. marked 1/4 S 32 B.T. A cedar tree, 8 in. diam. bears N 44° W, 66 lks. dist. marked

Subdivision of T28S R9W.

Chains	
	1/4 S 31 B.T.
43.00	Spur projects N 50° W, 350 ft high, thence abrupt descent.
60.00	Foot of abrupt descent.
72.00	Small draw drains N 70° W.
80.00	Set an iron post 3 ft long, 1 in. diam. 24 in. in ground, for cor. of secs. 29, 30, 31 & 32 marked on brass cap,
	T28S S30 in NW
	R9W S29 in NE.
	S 32 in SE.
	S 31 in SW. quadrant, from which
	Cedar tree, 6 in. diam. bears
	N 16° E. 75 lks. dist. marked
	T28S R9W S29 B.T.
	Cedar tree, 6 in. diam. bears
	S 32° E, 1.28 chs. dist. marked
	T28S R9W S32 B.T.
	Cedar tree, 5 in. diam. bears
	S 11° W, 64 lks. dist. marked
	T28S R9W S31 B.T.
	Cedar tree, 8 in. diam. bears
	N 70° W, 1.90 chs. dist. marked
	T28S R9W S30 B.T.
	Land mountainous.
	Soil on ridges, light poor, sandy loam dry, washed on slopes. Draws, light sandy loam, 3 to 10 in. deep, medium texture, moist, on decomposing granite subsoil.
	Timber, scattering pine, cedar & aspen.
	Undergrowth, mahogany and oak.
	Mountainous land 80.00 chs.
	Sky overcast; frequent showers.
	Further solar observations impossible.
	E on random line bet secs 29 & 32.
40.00	Set temp 1/4 sec. cor.
80.18	Intersect N & S line 9 lks N of cor of secs. 28, 29, 32 & 33.
	Thence I run

Subdivision of T 28 S R 9 W.

Chains	
	N 89°56' W on true line bet secs. 29 & 32.
	Over rolling mountainous land, along foothills, through oak brush.
4.00	Small draw drains N 10° W.
21.00	Spur projects N 60° W
35.00	Enter scattering cedar, bears NE & SW.
40.09	Set an iron post 3 ft long, 1 in. diam. 26 in. in ground, for 1/4 sec. cor. marked on brass cap 1/4 S 29 on N half; S 32 on S half; from which
	A cedar tree, 8 in. diam. bears N 47° E, 83 lks. dist. marked 1/4 S 29 B J
	A cedar tree, 8 in. diam. bears S 48° E, 28 lks. dist. marked 1/4 S 32 B J
47.00	Draw drains N 70° W.
52.00	Timber road bears N 60° W & S 60° E.
61.00	Leave oak brush bears N 80° W & S 80° E.
76.00	Spur projects N 50° W.
80.18	The cor. of secs. 29, 30, 31 & 32.
	Land, rolling mountainous.
	Soil: E 10.00 chs, rich, brown clay loam, 10 to 15 in. deep, fine texture, moist, on clay subsoil.
	W. 70.00 chs. light, sandy loam, 3 to 8 in. deep medium texture, on decomposing granite subsoil.
	Timber, scattering cedar. Undergrowth oak.
	Rolling mountainous land 70.00 chs.
	Oct 21, 1910.
	Oct 22, 1910. At 8 h 45 m. a. m. l. m. t. I set off 38°21' N on the lat. arc; 10°53' S on the decl. arc; and determine a true meridian with the solar at the cor. of secs. 29, 30, 31 & 32.
	Thence I run
	W on random line bet. secs. 30 & 31
40.00	Set temp 1/4 sec. cor.
83.40	Intersect W bdy of Tp 5 lks N of cor. of secs. 25, 30, 31 & 36 heretofore described. Thence I run
	N 89°58' E on true line bet. secs. 30 & 31

Chains	
	Over rolling mountainous land through cedar timber
5.00	Point of low spur projects N 15° W
8.00	Small draw drains N.
43.40	Set an iron post 3 ft long, 1 in diam. 26 in. in ground, for 1/4 sec cor, marked on brass cap 1/4 S 30 in N half; S 31 in S half; from which A cedar tree, 10 in. diam. bears N 30° W, 50 lks. dist. marked 1/4 S 30 BJ A cedar tree, 10 in. diam. bears S 40° W, 70 lks. dist. marked 1/4 S 31 BJ.
116.50	Spur projects NW.
66.50	Draw drains NW.
83.40	The cor. of secs. 29, 30, 31, 32 Land rolling mountainous. Soil, light sandy loam, 4 to 10 in. deep; coarse texture, moist; decomposing granite subsoil. Timber, scattering cedar. Rolling mountainous land 83.40 chs.
	N 0° 03' W bet. secs. 29 & 30 Over rolling mountainous land, through scattering cedar timber.
2.00	Low spur projects N 60° W.
13.00	Timber road bears N 60° W & S 60° E.
14.50	Enter sage brush, bears NE & SW.
15.50	Small draw drains N 60° W.
31.00	Low spur projects N 30° W
36.00	Wash drains N 20° W, also leave rolling mountainous land; enter rolling bench land.
40.00	Set an iron post 3 ft long, 1 in. diam. 26 in. in ground, for 1/4 sec. cor. marked on brass cap 1/4 S 30 on W half; S 29 on E half; from which A cedar tree, 6 in. diam. bears S 6° E, 1.43 chs. dist. marked 1/4 S 29 BJ A cedar tree, 8 in. diam. bears

Subdivision of T28S R9W.

chains	
	S63°W, 85 lks. dist. marked
	1/4 S30 B.T.
67.00	Beaver River Power Co's line bears N69°W & S69°E.
79.90	Bottom of draw drains N60°W.
80.00	Set an iron post 3 ft long, 2 in. diam. 24 in in ground, for cor. of secs. 19, 20, 29, 30, marked on brass cap
	T29S S19 in NW
	R9W S20 in NE
	S29 in SE
	S30 in SW, quadrant, from which
	A cedar tree, 10 in. diam. bears
	N22°E, 3.24 chs. dist. marked
	T28S R9W S20 B.T.
	A cedar tree, 12 in. diam. bears
	S66°E, 4.06 chs. dist. marked
	T28S R9W S29 B.T.
	A cedar tree, 4 in. diam. bears
	S35°W, 2.90 chs. dist. marked
	T28S R9W S30 B.T.
	A cedar tree, 16 in. diam. bears
	N83°20'W, 6.60 chs. dist. marked
	T28S R9W S19 B.T.
	Land, mountainous & rolling bench.
	Soil, light sandy loam, 4 to 18 in deep, very stony, on gravel and decomposing granite subsoil
	Timber, scattering cedar.
	Undergrowth, sagebrush.
	Rolling mountainous land, 36.00 chs
	Oct 22, 1910. At this cor. I set off 10°56' S on the decl. arc; and at 11h 45m a.m. l.m.t. observe the sun on the meridian, the resulting lat. is 38°22' N.
	S89°56' E on random line bet. secs. 20 & 29.
40.00	Set temp 1/4 sec. cor.
80.34	Intersect N & S line 28 lks W of cor. of secs. 20, 21, 28 & 29.
	Thence I run
	N89°44' W on true line bet. secs. 20 & 29.
	Over rolling bench land, through cedar

Subdivision of T 22 S R 9 W

chains

timber and sage brush.

16.30 Road bears N 60° W & S 60° E, Milford to Beaver

16.17 Set an iron post 3 ft long, 1 in. diam 26 in in ground for 1/4 sec cor marked on brass cap 1/4 S 20 on N half; S 29 on S half; from which

A cedar tree, 7 in. diam. bears N 17° W, 110 lks. dist. marked 1/4 S 20 B J

A cedar tree, 12 in. diam. bears S 55° E, 74 lks. dist. marked 1/4 S 29 B J

80.34 The cor of secs. 19, 20, 29, & 30.

Sand rolling bench.

Soil, rich brown sandy loam, 20 in. deep medium texture, moist, on clay subsoil.

Timber, scattering cedar. Undergrowth sage.

Oct 22, 1910 At 2 h 45 m. p. m. L. M. L. I set off 38° 22' N on the lat arc; 10° 58' S on the decl. arc and determine a true meridian with the solar at the cor of secs. 19, 20, 29 & 30.

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

110.00 Set limp. 1/4 sec cor.

83.46 Intersect W bdy of Tp 11 lks N of cor of secs. 19, 24, 25 & 30.

Therefore described. Thence S run

N 89° 52' E on true line bet. secs. 19 & 30

Over rolling bench land through cedar timber and sage brush.

113.46 Set an iron post 3 ft long, 1 in. diam 26 in. in ground for 1/4 sec cor. marked on brass cap: 1/4 S 19 on N half; S 30 on S half; from which

A cedar tree, 12 in. diam bears N 4° E, 110 lks. dist. marked 1/4 S 19 B J

A cedar tree, 8 in. diam. bears S 35° E, 119 lks. dist. marked 1/4 S 30 B J.

119.20 Beaver River County Co line bears N 69° W

80.00 Wash drains N

Subdivision of T 28 S R 9 W.

Chains	
57.00	Point of low spur projects N
74.00	Wash drains N.
82.40	Draw drains N 60° W.
83.46	The cor. of secs. 19, 20, 29 & 30.
	Land rolling bench.
	Soil: W 73.00 chs, sandy loam, 3 to 10 in. deep very stony, medium texture, on clay and gravel subsoil. E. 10.00 chs. rich sandy loam 2 ft deep, medium texture, moist, on clay subsoil.
	Timber, scattering cedar. Undergrowth, sage.
	Oct. 22, 1910
	Oct. 27, 1910. At 3 h 44 m. p. m. l. m. t. I set off 38° 22' N on the lat. arc; 12° 42' S on the decl. arc; and determine a true meridian with the solar at the cor. of secs. 19, 20, 29 & 30.
	Thence I run
	N 0° 03' W bet secs. 19 & 20.
	Over rolling bench land, through scattering cedar timber, & sage brush.
19.00	Wagon road bears N 88° W & S 80° E, Milford to Beaver
40.00	Set an iron post 3 ft long, 1 in. diam. 26 in in ground, for 1/4 sec. cor. marked on brass cap 1/4 S 19 on W half; S 20 on E half, from which
	A cedar tree, 6 in. diam. bears N 44° E, 1.45 chs. dist. marked 1/4 S 20 B T
	A cedar tree, 8 in. diam. bears S 62° W, 97 lks. dist. marked 1/4 S 19 B T
50.32	From this point an empty cabin bears N 45° 45' E.
57.00	Wood road bears E & W.
69.00	Wood road bears E & W.
69.75	Wash drains N 80° W.
76.00	Road bears NE. & SW. Minersville to Ranch Canyon
80.00	Set an iron post 3 ft long, 2 in. diam. 24 in. in ground, for cor. of secs. 17, 18, 19 & 20, marked on brass cap

Subdivision of T 28 S R 9 W.

Chains	
	T 28 S S 18 in NW
	R 9 W S 17 in NE
	S 20 in SE
	S 19 in SW, quadrant, from which
	A cedar tree, 8 in. diam. bears
	N 31° E, 1.45 chs. dist. marked
	T 28 S R 9 W S 17 B T
	A cedar tree, 6 in. diam. bears
	S 13° E, 2.02 chs. dist. marked
	T 28 S R 9 W S 20 B T
	A cedar tree, 5 in. diam bears
	S 30° W, 1.13 chs. dist. marked
	T 28 S R 9 W S 19 B T
	A cedar tree, 8 in. diam. bears
	N 57° W, 3.31 chs. dist. marked
	T 28 S R 9 W S 18 B T
	From this cor. the empty cabin bears S 72° 25' E
	Land, rolling bench.
	Soil, rich, sandy loam, 2 ft. deep. fine texture, moist, on clay subsoil.
	Timber, scattering cedar, Undergrowth sage.
	Oct. 27, 1910.
	Oct 28, 1910. At 8 h 44 m. a.m. l.m.t. I set off 38° 23' N on the lat arc; 12° 57' S on the decl. arc; and determine a true meridian with the solar at the cor of secs. 17, 18, 19 & 20.
	Thence I run
	S 89° 44' E on random line bet. secs. 17 & 20.
40.00	Set temp. 1/4 sec. cor.
80.22	Intersect N & S line 9 lks S of cor. of secs. 16, 17, 20 & 21.
	Thence I run
	N 89° 48' W on true line bet secs. 17 & 20.
	Over rolling bench land, through scattering cedar timber & sagebrush.
36.00	Wash drains N 50° W.
40.11	Set an iron post 3 ft long, 1 in diam. 26 in. in ground, for 1/4 sec. cor. marked on brass cap 1/4 S 17 on N half; S 20 on S half; from which
	A cedar tree, 8 in. diam bears

Subdivision of T28S R9W.

chains	
	N 86° W, 1.52 chs. dist. marked 1/4 S17 B J
	A cedar tree, 6 in. diam. bears S 61° E, 1.96 chs. dist. marked 1/4 S20 B J ✓
52.50	Top of low reef bears NW. & SE.
58.00	Foot of reef bears NW & SE
71.60	Road bears NE. & SW.
73.00	Wash drains N 45° W
80.22	The cor. of secs. 17, 18, 19, 20.
	Land rolling bench.
	Soil, E 40.00 chs & W 22.00 chs. rich, sandy loam, 6 to 18 in. deep, moist, on clay and gravel subsoil. Balance of mile is is sandy loam, stony on gravel subsoil.
	Timber scattering cedar, Undergrowth sage.
	S 89° 52' W on random line bet. secs. 18 & 19.
40.00	Set temp. 1/4 sec cor.
83.40	Intersect the W bdy. of Tp. 25 lks S of cor. of secs 13, 18, 19 & 24, hereinafter described. Thence I run
	Oct. 28, 1910. At this cor. I set off 13° 00' S on the decl arc; and at 11 h 44 m. a.m. l. m. t. observe the sun on the meridian, the resulting lat is 38° 23' N.
	Thence I run
	S 89° 57' E on a true line bet. secs. 18 & 19.
	Over rolling bench land, through scattering cedar timber, and sage brush.
8.40	Wash drains N 40° W
22.50	Enter heavy cedar timber bears, N 25° E & S 25° W.
43.00	Wash drains N 60° W.
43.40	Set an iron post 3 ft long 1 in diam. 26 in in ground, for 1/4 sec. cor. marked on brass cap, 1/4 S 18 on N half; S 19 on S half; from which
	A cedar tree, 16 in diam. bears N 4° E, 7.52 chs. dist. marked 1/4 S 18 B J
	A cedar tree, 8 in. diam. bears

Subdivision of T28SR9W.

chains	
	S 24° W, 1.06 chs. dist. marked 1/4 S19 B J
58.00	Wood road bears N 60° W, & S 60° E.
63.00	Leave heavy cedar; enter scattering cedar timber
83.40	The cor. of secs. 17, 18, 19, & 20.
	Sand rolling bench.
	Soil, rich, brown clay loam, 12 to 20 in. deep fine texture, moist, on clay subsoil.
	Timber, scattering cedar. Undergrowth, sage.
	Oct. 28, 1910.
	Nov. 5, 1910. At 2h 44m. p. m. l. m. t. I set off 38°23' N on the lat. arc; 15°36' S on the decl. arc; and determine a true meridian with the solar at the cor. of secs. 17, 18, 19 & 20.
	Thence I run
	N 0°03' W bet. secs. 17 & 18
	Over rolling bench land, through scattering cedar timber & sagebrush.
6.00	Wash drains N 45° W.
28.00	Enter heavy cedar timber bears N 25° E & S 25° W.
36.00	Low spur projects W.
40.00	Set an iron post 3 ft long 1 in diam, 26 in in ground for 1/4 sec cor, marked on brass cap 1/4 S18 on W half; S17 on E half; from which
	A cedar tree, 12 in. diam. bears N 83° E, 44 lks. dist. marked 1/4 S17 B J
	A cedar tree, 5 in. diam. bears N 56° W, 68 lks. dist. marked 1/4 S18 B J
48.00	Draw drains W.
80.00	Set an iron post 3 ft long, 2 in. diam. 24 in. in ground for cor of secs. 7, 8, 17 & 18 marked on brass cap
	T28S S7 in NW.
	R9W S8 in NE.
	S17 in SE
	S18 in SW, quadrant; from which
	A cedar tree, 8 in. diam. bears

Subdivision of T 28 S R 9 W.

Chains	
	N 60° E, 61 lks dist. marked T28S R9W S8 B.T.
	A cedar tree, 12 in diam. bears S 54° E, 81 lks dist. marked T28S R9W S17 B.T.
	A cedar tree, 16 in. diam. bears S 28° W, 48 lks. dist. marked T28S R9W S18 B.T.
	A cedar tree, 20 in. diam. bears N 9° W, 17 lks. dist. marked T28S R9W S7 B.T. ✓
	Land, rolling bench.
	Soil, rich, clay loam, 2 ft. deep, fine texture, moist, on clay subsoil.
	Timber, scattering cedar. Undergrowth, sage.
	S 89° 48' E on random line bet. secs. 8 & 17.
40.00	Set temp. 1/4 sec. cor.
80.32	Intersect N & S line 35 lks. S of cor. of secs. 8, 9, 16 & 17
	Thence I run S 89° 57' W on true line bet. secs. 8 & 17.
	Over rolling bench land, through scattering cedar timber & sage brush.
1.57	Wagon road bears NE & SW, Minersville to Ranch Canyon.
40.16	Set an iron post 3 ft. long 1 in. diam. 26 in. in ground, for 1/4 sec. cor. marked on brass cap 1/4 S 8 on N half; S 17 on S half; from which
	A cedar tree, 8 in. diam. bears N 18° E, 98 lks. dist. marked 1/4 S 8 B.T.
	A cedar tree, 6 in. diam. bears, S 16° W, 1.65 chs. dist. marked 1/4 S 17 B.T. ✓
70.00	Leave scattering; enter heavy cedar timber, bears N & S.
80.32	The cor. of secs. 7, 8, 17 & 18
	Land rolling bench.
	Soil, rich, clay loam, 6 to 18 in. deep, fine

Subdivision of T 28 S R 9 W.

Chains	
	lexture, moist, on clay subsoil.
	Timber, cedar. Undergrowth, sagebrush.
	N 89°57' W on random line bet secs. 7 & 18.
40.00	Set temp 1/4 sec. cor.
83.37	Intersect W bdy of Tp, 5 lks N of cor. of secs. 7, 12, 13 & 18. heretofore described. Thence I run
	S 89°59' E on true line bet. secs. 7 & 18.
	Over rolling bench land, through sagebrush.
7.00	Wash drains N 45° W.
35.25	Enter scattering cedar, bears NW & SE.
43.37	Set an iron post 3 ft long, 1 in. diam. 26 in. in ground, for 1/4 sec. cor. marked on brass cap 1/4 S 7 on N half; S 18 in S half; from which
	A cedar tree, 18 in. diam. bears
	N 46° W, 5.41 chs. dist. marked
	1/4 S 7 B T
	A cedar tree, 5 in. diam. bears
	S 77° E, 3.32 chs. dist. marked
	1/4 S 18 B T.
63.40	Leave scattering and enter heavy cedar timber, bears N 20° E & S 20° W.
83.37	The cor. of secs. 7, 8, 17 & 18.
	Land rolling bench.
	Soil, rich, clay; loam, 7 to 20 in. deep, fine lexture, moist, on clay subsoil.
	Timber, cedar. Undergrowth, sagebrush.
	Nov. 5, 1910.
	Nov. 28, 1910. At the cor. of secs. 7, 8, 17 & 18 I set off 21°15' S on the decl. arc; and at 11 h 48 m. a.m. L. m. t. observe the sun on the meridian, the resulting lat. is 38°23' N.
	Thence I run
	N 0°03' W bet secs. 7 & 8
	Over rolling bench land, through dense cedar timber & sage brush.
28.60	Wash drains N 80° W.
40.00	Set an iron post 3 ft long, 1 in. diam. 26 in

Subdivision of T28S R9W.

chains	
	in ground, for 1/4 sec cor, marked on brass cap 1/4 S 7 on W half; S 8 on E half; from which
	A cedar tree, 8 in. diam. bears
	N 55° E, 12 lks. dist, marked
	1/4 S 8 B T
	A cedar tree, 7 in. diam. bears
	N 88° W, 62 lks. dist. marked
	1/4 S 7 B T
51.50	Wash drains N 80° W.
53.00	Wood road bears N 80° W & S 80° E.
56.00	Leave heavy cedar; enter scattering cedar timber, bears N 10° E & S 10° W.
80.00	Set an iron post 3 ft long, 2 in. diam. 24 in. in ground for cor. of secs. 5, 6, 7 & 8, marked on brass cap
	T 28 S S 6 in NW
	R 9 W S 5 in NE
	S 8 in SE
	S 7 in SW. quadrant; from which
	A cedar tree, 6 in. diam. bears
	N 69° E, 88 lks. dist. marked
	T 28 S R 9 W S 5 B T
	A cedar tree, 10 in. diam. bears
	S 74° E, 2.68 chs. dist. marked
	T 28 S R 9 W S 8 B T
	A cedar tree, 4 in. diam. bears
	S 36° W, 2.63 chs. dist. marked
	T 28 S R 9 W S 7 B T
	A cedar tree, 8 in. diam. bears
	N 89° 30' W, 1.84 chs. dist. marked
	T 28 S R 9 W S 6 B T
	Land, rolling bench.
	Soil, rich, clay loam, 10 to 20 in. deep medium texture, moist, on clay subsoil
	Timber, cedar. Undergrowth, sagebrush.
	N 89° 57' E on random line bet. secs. 5 & 8.
40.00	Set temp 1/4 sec. cor.
80.06	Intersect N & S line 28 lks S of cor. of secs. 4, 5, 8 & 9.

Subdivision of T28SR9W.

Chains	
	Thence I run
	S 89°45' W on true line bet. secs. 5 & 8.
	Over rolling bench land, through scattering cedar timber and sagebrush.
8.00	Bottom of draw drains N 45° W.
12.00	E. edge of bench bears N 45° W & S 45° E
40.03	Set an iron post 3 ft long, 1 in. diam 26 in. in ground for 1/4 sec. cor. marked on brass cap 1/4 S 5 on N half; S 8 on S half; from which
	A cedar tree, 17 in. diam. bears N 43° W, 60 lks. dist. marked 1/4 S 5 B J
	A cedar tree, 16 in. diam. bears S 32° W, 32 lks. dist. marked 1/4 S 8 B J
45.00	Leave scattering; enter heavy cedar timber, bears N & S.
65.50	Wash drains N 40° W.
74.50	Wash drains N 60° W.
75.00	Leave heavy; enter scattering cedar timber, bears N 10° W & S 10° E.
80.06	The cor of secs 5, 6, 7 & 8
	Land, rolling bench.
	Soil, good clay loam, 8 to 16 in. deep, medium texture, moist on clay subsoil.
	Timber cedar. Undergrowth, sagebrush.
	Nov. 28, 1910. At 2 h 48 m. p. m. l. m. t. I set off 38°24' N on the lat. arc; 21°15' S on the decl. arc; and determine a true meridian with the solar at the cor. of secs. 5, 6, 7 & 8
	Thence I run
	N 89°59' W on random line bet. secs 6 & 7.
40.00	Set temp 1/4 sec cor.
83.34	Intersect the W bdy of Tp. 7 lks. N of cor. of secs. 1, 6, 7 & 12, hereinafter described
	Thence I run
	N 89°58' E on true line bet. secs. 6 & 7.
	Over rolling bench land, through sagebrush.

Subdivision of T28SR9W.

chains	
4.80	Wash drains N 10° W.
38.25	Foot of bench bears N 20° W & S 20° E.
39.00	Enter scattering cedar timber bears N 15° E and S 15° W.
43.34	Set an iron post 3 ft long, 1 in. diam. 26 in. in ground for 1/4 sec. cor. marked on brass cap 1/4 S 6 on N half; S 7 on S half; from which
	A cedar tree, 10 in. diam. bears N 26° E, 2.91 chs. dist. marked 1/4 S 6 B T
	A cedar tree, 12 in. diam. bears S 17° E, 2.27 chs. dist. marked 1/4 S 7 B T
56.10	Wood road bears N 65° W & S 65° E.
83.34	The cor. of secs. 5, 6, 7 & 8.
	Land, rolling bench.
	Soil, rich, clay loam, 2 ft deep, medium texture, moist, on clay subsoil.
	Timber, cedar. Undergrowth, sagebrush.
	N 0° 03' W on random line bet. secs. 5 & 6
40.00	Set temp. 1/4 sec. cor.
85.60	Intersect N bdy of Tp. 10 lks E of cor. of secs. 5, 6, 31 & 32, heretofore described
	Thence I run
	S 0° 07' E on true line bet. secs. 5 & 6.
	Over rolling bench land, through scattering cedar timber and sagebrush.
1.60	Small wash drains W.
17.00	Bottom of draw drains N 45° W.
29.00	N. edge of bench bears N 45° W & S 45° E
	Leave scattering; enter heavy cedar timber bears S 10° W & N 10° E.
45.60	Set an iron post 3 ft long, 1 in. diam. 26 in. in ground, for 1/4 sec. cor. marked on brass cap 1/4 S 6 on W half; S 5 on E half; from which
	A cedar tree, 6 in. diam. bears N 51° E, 14 lks. dist. marked 1/4 S 5 B T

Subdivision of T28SR9W

Chains	
	A cedar tree, 7in. diam. bears N 35°W, 12 lks. dist. marked 1/4 S 6 B T ✓
71.10	Wash drains N 80°W.
80.00	Wash drains N 80°W.
83.00	Leave heavy; enter scattering cedar timber bears N 60°W & S 60°E.
85.60	The cor. of secs. 5, 6, 7 & 8. Land, rolling bench. Soil, rich clay loam, 2 ft deep, medium texture, moist, on clay subsoil. Timber, cedar. Undergrowth, sagebrush. Nov. 28, 1910

General Description

This Tp. contains bench and mountainous land.
Soil ranges from very rocky to rich loam.
Soil on bench land, which comprises about 1/2 of this Tp, Western and Northwestern parts, is generally rich clay loam, capable of producing crops without irrigation by proper tilling of soil.
Can be classed 1st rate.
Great portion of bench land is covered with a heavy growth of cedar timber & sagebrush, and some nutritious grass.
The two East tiers, and extreme South tier of sections are all mountainous.
Mountains of this Tp. are covered with a scanty growth of pine and a heavy growth of oak, mahogany & manzanita brush.
Numerous outcroppings of granite on mountains whence comes the name of Granite Range.
There are surface indications of iron and silver ore in southern part of sec. 31, 32 & 33.
There is very little water in this Tp.
One very small spring in SE part of sec. 33,
small spring branch sinks in E part of sec 27.
small spring branch sinks in E part of sec. 22
small spring branch sinks in E part of sec. 15
small spring branch sinks in E part of sec 11
small spring branch crosses N bdy of sec. 2
small spring branch crosses N bdy sec. 1
small spring branch crosses E bdy of sec. 13
which names all the water in this Tp.
Cedar in western part of this Tp furnishes part of wood supply for Mulford.
Some good cedar posts are obtained from this Tp.
All bench lands of this Tp. can be made to produce wheat in paying quantities by dry farming as enough sand is

washed down from the granite range to keep soil from packing.

This Tp. is protected from South hot winds by the range of mountains on and near its South boundary.

There are no settlers in this Tp.

John W. Dougall
U. S. Transitman.

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by John W. Dougall, United States ~~Deputy Surveyor~~ Transitman, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of Townships 29 S., Rs. 9 & 10 W. and Townships 28 S., Rs. 9 & 10 W. S.L.B.& M., Utah, showing the respective capacities in which they acted:

, *Chainman.*

, *Chainman.*

, *Moundman.*

, *Moundman.*

, *Axman.*

, *Axman.*

Fred Sharp, *Flagman.*

FINAL OATH OF ASSISTANTS.

~~We~~ I hereby certify that ~~we~~ I assisted John W. Dougall, United States ~~Deputy Surveyor~~ Transitman, in surveying all those parts or portions of the Townships 29 S., Ranges 9 and 10 West and Townships 28 South, Ranges 9 and 10 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~~ my knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for Utah.

, *Chainman.*

, *Chainman.*

, *Moundman.*

, *Moundman.*

, *Axman.*

, *Axman.*

, *Flagman.*

Fred Sharp.

Subscribed and sworn to before me this Eighth day of Nov 1910, 190

SEAL

John W. Dougall
Instrumentman G.L.O.

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For final affidavits of Daniel and Garn, as chainmen; Whitmore and Clark as moundmen; and Harmer, as flagman, see book "H" T.27 S.R.9 W.

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, ..., United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from ..... United States Surveyor General for ....., bearing date of the ..... day of ....., 190 , I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for ....., the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of .....

For final oath of transitman see book "H" T.27 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 ....., 190

SEAL

.....

.....

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, Sept. 16, 1913.

The foregoing field notes of the survey of the subdivisional lines of Township No. 28 South, Range No. 9 West of the Salt Lake Base and Meridian, Utah,

executed by John W. Dougall under his ~~contract No.~~ special instructions, dated August 6, ~~1910~~ ~~190~~, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

United States Surveyor General.

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

.....

United States Surveyor General.

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BOOK A-381

NAMES AND DUTIES OF ASSISTANTS.

George W. Daniel, chainman
Edwin Garn, chainman
Willis Whitmore, moundman
Fred Sharp, flagman

For preliminary affidavits see book "B" T. 29 S., R. 9 W.

6—161

BOOK A-381

NAMES AND DUTIES OF ASSISTANTS.

George W. Daniel, chainman
Edwin Garn, chainman
Willis Whitmore, moundman
Fred Sharp, flagman

For preliminary affidavits see book "B" T. 29 S., R. 9 W.

6—151

BOOK A-381

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Township 27 S, *Range* 9 W.

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Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

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

.....

..... *Chainma*

..... *Chainma*

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

SEAL

.....

.....

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

.....

..... *Moundma*

..... *Moundma*

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

SEAL

.....

.....

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

.....

..... *Axma*

..... *Axma*

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

SEAL

.....

.....

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

..... *Flagma*

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

SEAL

.....

.....

East Boundary of T27S R9W

Survey commenced Nov 7-1910 and executed with a W.L.E. Gurley light mountain transit, no No., with solar attachment.

For a complete description of the instrument see Book A.

Nov. 5, 1910. At my camp which is on S bdy of sec. 35, T27S R9W,

I set a hub firmly in the ground and at 16h 30m p m l m t observe Polaris at upper culmination in accordance with Manual of instructions, and mark the true meridian thus determined by driving a tack in a stake firmly driven in the ground 5.00 chs. N of my station.

Nov. 6, 1910. At 8h 44m a. m. l. m. t I set off 38°25'N on the lat arc; 15°50'S on the decl arc; and mark a point in the meridian determined with the solar by a cross on the stake already set 5.00 chs. N of my station; this mark falls 0.3 in. W of the meridian established by the Polaris observation.

Nov. 6, 1910. At 2h 44m p.m. l. m. t. I set off 38°25'N on the lat. arc; 15°55'S on the decl. arc; and mark a point in the meridian determined with the solar by a cross on the stake already set 5.00 chs. N of my station; this mark falls 0.4 in E of the meridian established by the Polaris observation.

The solar apparatus by a. m. & p. m. observations defines positions for meridians respectively about 0'16" W and 0'21" E of the meridian established by the Polaris observation, therefore I conclude the adjustments of the instrument are satisfactory.

Nov. 7, 1910. At 8h 44m a. m. l. m. t I set off 38°25' on the lat arc; 16°08'S on the decl arc; and determine a true meridian with the solar at the cor. of Tps. 27 & 28 S, Rs 8 & 9 W which I established Oct 7th, 1910.

Thence I run

N bet. secs. 31 & 36.

East Boundary of T 27 S. R 9 W.

Chains	
	Over mountainous land through oakbrush.
6.00	Enter mahogany bears N 80° E & S 80° W.
11.50	Draw drains W. 350 ft below cor.
110.00	Spur projects S 70° W. 500 ft above draw, descend.
	Set an iron post, 3 ft long, 1 in. diam. 26 in. in ground for 1/4 sec cor, marked on brass cap.
	1/4 S 36 on W half; S 31 on E half; from which
	A mahogany tree, 8 in. diam. bears
	S 79° E, 45 lks dist. marked
	1/4 S 31 B J
	A mahogany tree, 8 in. diam bears
	N 68° W, 22 lks. dist. marked
	1/4 S 36 B J
50.00	Leave mahogany bears N 60° E, & S 60° W
59.00	Left fork of Ranch Canyon drains S 50° W, 500 ft below spur, ascend.
59.75	Old wood road bears N 50° E & S 50° W.
	Leave oak; enter sage brush bears E & W.
78.00	Spur projects S 40° W 400 ft above canyon, thence ascend along W slope.
80.00	Set an iron post 3 ft long, 3 in. diam. 24 in. in ground, for cor. of secs. 25, 30, 31 & 36, marked on brass cap
	T 27 S in N half
	R 9 W S 25 in NW
	R 8 W S 30 in NE
	S 31 in SE
	S 36 in SW; quadrant; raise a mound of stone 2 ft base, 1½ ft high, W of cor.
	Pits impracticable.
	Land mountainous.
	Soil, light clay loam, mixed with rocks on ridges, washed on slopes, stony; draws & canyons good sandy loam, on gravel and decomposing granite subsoil.
	No timber.
	Undergrowth oak, mahogany, and sagebrush.
	Mountainous land 80.00 chs.
	Nov 7, 1910. At this cor I set off 16° 11' S on the decl. arc; and at 11 h 14 m. 0 s. l. m. t observe the sun on the meridian, the resulting lat is 38° 26' N.

East Boundary of T27SR9W

Chains	
	N bet secs 25 & 30
	Over mountainous land through sagebrush, ascend along W slope.
10.00	Leave sagebrush; enter mahogany bears N 35° W & S 35° E.
18.00	Leave mahogany bears N 10° E & S 10° W.
35.00	Head of draw drains S 10° W, 350 ft above cor, ascend
39.75	Spur projects W. 300 ft above draw, descend
40.00	Set an iron post 3 ft long, 1 in. diam. 26 in. in ground, for 1/4 sec. cor. marked on brass cap 1/4 S 25 on W half; S 30 on E half; raise a mound of stone 2 ft base, 1 1/2 ft high, W of cor.
	Pits impracticable.
	Nov 7, 1910. At 7 h. 44 m. p. m. l. m. t. I set off 38° 26' N on the lat. arc; 16° 12' S on the decl arc; and determine a true meridian with the solar at the 1/4 sec cor bet. secs 25 & 30.
50.00	Enter oak brush, bears N 30° W & S 30° E.
55.00	Draw drains N 40° W, 250 ft below spur, ascend
66.00	Low spur projects N 30° W, 150 ft above draw, descend
71.25	Draw drains N 35° W, 325 ft below spur, ascend
75.00	Enter mahogany and manzanita, bears N 40° W & S 40° E.
80.00	Spur projects N 60° W, 400 ft above draw, descend. Set an iron post 3 ft long, 3 in. diam. 24 in. in ground, for cor. of secs. 19, 24, 25 & 30, marked on brass cap
	T 27 S on N half
	R 9 W S 24 in NW
	R 8 W S 19 in NE
	S 30 in SE
	S 25 in SW, quadrant; from which
	A mahogany tree, 5 in. diam. bears S 22° E, 32 lks. dist. marked T 27 S R 8 W S 30 B T
	A mahogany tree, 7 in. diam. bears S 27° W, 23 lks. dist. marked T 27 S R 9 W S 25 B T
	A mahogany tree, 10 in. diam. bears N 82° W, 46 lks dist. marked

East Boundary of T 27 S R 9 W.

Chains

T 27 S R 9 W S 24 B J

No other trees suitable for marking, so raised a mound of stone, 2 ft base, 1½ ft high. Wofcw. Pits impracticable.

Land mountainous.

S 40.00 chs, soil, light, poor, sandy loam, dry; loose stones on surface, 6 to 10 in. deep on gravel and decomposing granite subsoil.

N 40.00 chs, stiff clay loam, moist 6 to 18 in. deep on clay subsoil.

No timber.

Undergrowth, oak, mahogany, manzanita and sagebrush.

Mountainous land 80.00 chs.

Nov. 7, 1910.

Nov. 8, 1910. At 8 h 14 m. a. m. l. m. t. I set off 38° 27' N on the lat arc; 16° 26' S on the decl arc, and determine a true meridian with the solar at the cor of secs 19, 24, 25 & 30.

Thence I run

N bet. secs. 19 & 24.

Over mountainous land through, oak manzanita & mahogany undergrowth.

13.00 Bottom of Right Fork of Wild Horse Canyon drains W 1125 ft below sec. cor. ascend.

Leave oak, mahogany & manzanita bears E & W.

20.00 Cliffs 100 ft high, bears E & W.

21.00 Enter dense mahogany undergrowth and scattering pitch pine timber, bears E & W.

36.00 Leave scattering pitch pine timber bears NW & SE.

40.00 Set a iron post 3 ft long, 1 in. diam. 26 in. in ground, for ¼ sec. cor. marked on brass cap ¼ S 24 on W half; S 19 on E. half; from which

A mahogany tree, 10 in. diam. bears S 55° E. 61 lks. dist. marked ¼ S 19 B J

A mahogany tree, 16 in. diam. bears N. 67° W. 19 lks dist. marked ¼ S 24 B J

East Boundary of T 27 S R 9 W.

chains

44.00 Spur projects W, 700 ft above canyon, descend.
45.00 Leave mahogany; enter pine timber and manzanita brush, bears N 60° W & S 60° E.
61.00 Draw drains N 55° W, 600 ft below spur.
Leave pine timber; enter dense growth of mahogany and scattering pitch pine timbers bears NW. & SE.
79.00 Spur projects N 55° W, 650 ft above draw, descend
80.00 Set an iron post 3 ft long, 3 in. diam. 24 in. in ground, for cor of secs, 13, 18, 19, & 24, marked on brass cap
T 27 S on N half
R 9 W S 13 in NW
R 8 W S 18 in NE
S 19 in SE
S 24 in SW, quadrant, from which
A mahogany tree, 8 in. diam. bears
N 65° E, 19 lks. dist. marked
T 27 S R 8 W S 18 B.T.
A mahogany tree, 14 in. diam. bears
S 45° E, 8 lks. dist. marked
T 27 S R 8 W S 19 B.T.
A mahogany tree, 10 in. diam. bears
S 72° W, 16 lks. dist. marked
T 27 S R 9 W S 24 B.T.
A pitch pine tree, 14 in. diam. bears
N 33° W, 52 lks. dist. marked
T 27 S R 9 W S 13 B.T.
Land mountainous.
S 7.00 chs. clay loam, 4 to 10 in. deep, on clay subsoil.
N 73.00 chs. light coarse sandy soil, stony on gravel and decomposing granite subsoil.
Timber pine and pitch pine.
Undergrowth, oak, mahogany & manzanita.
Mountainous land 80.00 chs.
Nov. 8, 1910. At this cor. I set off 16° 29' S on the decl. arc; and at 11 h 44 m p.m. l. m. t. observe the sun on the meridian, the resulting lat is 38° 28' N.

East Boundary of T 27 S R 9 W.

chains	
	N bet secs. 13 & 18.
	Over mountainous land, through scattering pitch pine timber, manzanita & mahogany undergrowth, descend.
12.00	Leave pitch pine timber & mahogany undergrowth. Enter oak brush bears N 40° W & S 40° E.
28.50	Bottom of Left Fork of Wild Horse Canyon drains S 35° W, 750 ft. below cor.
38.00	Enter mahogany bears N 70° E & S 70° W.
40.00	Set an iron post 3 ft long, 1 in. diam. 26 in. in ground, for 1/4 sec. cor. marked on brass cap 1/4 S 13 on W half; S 18 on E half; from which
	A mahogany tree, 4 in. diam. bears S 86° E, 1.10 chs. dist. marked 1/4 S 18 13 J
	A mahogany tree, 5 in. diam. bears S 86° W, 60 lks dist. marked 1/4 S 13 13 J
63.00	Spur projects W, 670 ft above canyon, descend.
80.00	Set an iron post 3 ft long, 3 in. diam. 24 in. in ground for cor. of secs. 7, 12, 13 & 18 marked on brass cap.
	T 27 S in N half
	R 9 W S 12 in NW
	R 8 W S 7 in NE
	S 18 in SE
	S 13 in SW, quadrant; from which
	A mahogany tree, 7 in. diam. bears N 34° E, 41 lks. dist. marked T 27 S R 8 W S 7 13 J
	A mahogany tree, 8 in. diam. bears S 45° E, 36 lks. dist. marked T 27 S R 8 W S 18 13 J
	A mahogany tree, 10 in. diam. bears S 44° W, 44 lks. dist. marked T 27 S R 9 W S 13 13 J
	A mahogany tree, 5 in. diam. bears N 56° W, 37 lks dist. marked T 27 S R 9 W S 12 13 J
	This cor is 375 ft. below spur

East Boundary of T27S R9W.

chains

Land mountainous.
Soil, light, poor, sandy loam; stony, on decomposing granite and gravel subsoil.
Timber, scattering pitch pine.
Undergrowth, oak, mahogany & manzanita.
Mountainous land 80.00chs.

Nov. 8, 1910.

This 8th day of Nov. 1910 Fred Sharp resigns as flagman. No officer authorized to administer oaths, other than myself, being available, without great inconvenience delay & expense, I administer the required final oaths.

John W. Dougall
Instrumentman G.L.O.

Nov. 9, 1910. At 8h. 44m. a.m. l.m.t. I set off 38°29' N on the lat. arc; 16°43' S on the decl. arc; and determine a true meridian with the solar at the cor. of secs. 7, 12, 13, & 18.
Thence I run
N bet. secs. 7 & 12.
Over mountainous land, through oak, mahogany and manzanita underbrush.

5.00 Draw drains N 10° W, 200 ft below cor.
Leave manzanita, bears N 20° W & S 20° E.
7.00 Small spring of good water 1.00 ch. W of line.
Water sinks about 4.00 chs. N of spring.
12.00 Draw drains N 10° E.
20.00 Leave mahogany & oak underbrush.
Enter cedar timber, bears N 25° E & S 25° W.
40.00 Set an iron post, 3 ft long, 1 in. diam. 26 in. in ground, for 1/4 sec. cor. marked on brass cap 1/4 S 12 on W half; S 7 on E half; from which
A cedar tree, 6 in. diam. bears S 80° E, 63 lks dist. marked 1/4 S 7 B J
A cedar tree, 8 in. diam. bears N 16° W, 36 lks. dist. marked 1/4 S 12 B J
42.00 Leave cedar timber bears N 10° W & S 10° E.
44.00 Draw drains N 10° W.
73.00 Spur projects N. 80° W.
78.50 Draw drains N 80° W.

East Boundary of T 27 S R 9 W.

Chains

79.00 Wood road bears N 25° W & S 25° E.

80.00 Set an iron post, 3 ft. long, 3 in. diam. 24 in. in ground for cor. of secs. 1, 6, 7, 12, marked on brass cap,
T 27 S in N half
R 9 W S 1 in NW
R 8 W S 6 in NE
S 7 in SE
S 12 in SW, quadrant; dig pits 18 X 18 X 12 in. in each sec, 5½ ft. dist; and raise a mound of earth 4 ft base, 2 ft high W of cor.
Land mountainous.
Soil: S 60.00 chs. light, poor, sandy soil, stony, on decomposing granite subsoil. N 20.00 chs clay loam 4 to 10 in deep, medium texture, on clay subsoil.
Timber cedar.
Undergrowth, oak, mahogany and manzanita
Mountainous land 80.00 chs.
Nov. 9. 1910. At this cor I set off 16° 46' S on the decl. arc and at 11 h 14 m a.m. L. m. t. observe the sun on the meridian; the resulting lat is 38° 29' N.

N bet. secs. 1 & 6.
Over rolling mountainous land.

10.00 Spur projects N 80° W, 200 ft above cor.
Enter sage and oak brush bears E & W.

12.00 Small draw drains N 80° W, 100 ft below spur.

14.00 Spur projects N 80° W, 150 ft high.

22.00 Draw drains N 80° W, 175 ft deep.

25.00 Spur projects N 70° W, 150 ft high.

30.00 Draw drains N 70° W, 175 ft deep;

36.00 Spur projects N 70° W, 200 ft high.

39.75 Draw drains N 70° W, 200 ft deep.

40.00 Set an iron post 3 ft long, 1 in. diam. 26 in in ground, for ¼ sec cor; marked on brass cap ¼ S 1 on W half; S 6 on E half; dig pits 18 X 18 X 12 in. N & S of post, 3 ft dist; & raise a mound of earth 3½ ft base, 1½ ft high, W of cor.

42.50 Spur projects N 70° W, 125 ft high

52.00 Draw drains N 80° W, 175 ft deep.

56.00 Spur projects N 80° W, 185 ft high.

60.00 Draw drains N 70° W, 250 ft deep.

East Boundary of T27S R9W.

Chains	
75.00	Spur projects West, 200 ft high.
79.00	Draw drains S 80° W, 225 ft deep.
80.00	Set temp. cor. for Tps. 26 & 27 S, Rs 8 & 9 W.
	Nov. 9, 1910
85.15.	Nov. 13, 1910. The cor. of Tps 26 & 27 S Rs 8 & 9 W
	Cor. described on page 16.
	Land, mountainous.
	Soil, sandy loam, 4 to 16 in. deep, on
	decomposing granite subsoil.
	No timber.
	Undergrowth, oak and sagebrush.
	Mountainous land, 85.15 chs.
	Nov. 13, 1910.

Volume
#
R0381

North Boundary of T 27 S R 9 W.

Chains

Nov. 10, 1910. At 8 h 44 m. a. m. l. m. t. I set off 38° 30' N on the lat. arc; 17° 00' S on the decl. arc; and determine the true meridian with the solar at the temp. cor. of Tps 26 & 27 S. Rs 8 & 9 W.
Thence I run
West on random line along the N. bdy. of T 27 S R 9 W, setting temp. 1/4 sec. & sec. cors. at intervals of 40.00 chs, getting on this day to temp. cor. of secs. 3, 4, 33 & 34.

Nov. 10. 1910.

Nov. 11. 1910. At 8 h 44 m. a. m. l. m. t. I set off 38° 30' N on the lat. arc; 17° 17' S on the decl. arc; and determine a true meridian with the solar at the temp cor. of secs. 3, 4, 33 & 34.
Thence I run
W on random line along the N. bdy. of T 27 S R 9 W setting temp. 1/4 sec. and sec. cors. at intervals of 40.00 chs and at 48 1.75 chs intersect the W. bdy. of Tp 5.15 chs S of cor of Tps. 26 & 27 S Rs 9 & 10 W.
The old cor. of Tps. 26 & 27 S Rs 9 & 10 W is a sandstone badly crumbled; marks nearly obliterated.
I destroy all traces of the old cor and re-establish it at the same point as follows
Set an iron post, 3 ft long, 3 in. diam. 26 in in ground, for cor. of Tps 26 & 27 S Rs 9 & 10 W, marked on brass cap

T 26 S in N half
T 27 S in S half
R 10 W S 36 in NW
R 9 W S 31 in NE
R 9 W S 6 in SE
R 10 W S 1 in SW, quadrant; dig pits 24 x 24 x 12 in. on each line N, E, & W 4 ft dist. and S of post 8 ft. dist; and raise a mound of earth 5 ft base, 2 1/2 ft high S of cor.

Abandon random line and begin at the cor of Tps 26 & 27 S Rs 9 & 10 W
Thence I run
E bet. secs. 6 & 31 marking true line.

North Boundary of T27S R9W.

chains	
	Ascend over bench land through shadscale
25.75	Leave shadscale; enter sagebrush; bears N60°W and S60°E.
38.76	Wood road bears N70°W & S70°E.
41.75	Set an iron post 3 ft long, 1 in. diam. 26 in. in ground for 1/4 sec. cor. marked on brass cap 1/4 S31 on N half; S6 on S half; dig pits 18X18X12 in E & W of post, 3 ft dist; and raise a mound of earth 3½ ft base 1½ ft high N of cor.
43.75	Wash drains N70°W.
71.00	Wash drains N70°W.
81.75	Set an iron post 3 ft long, 3 in. diam. 24 in. in ground for cor. of secs. 5, 6, 31 & 32 marked on brass cap.
	T26 S S31 in NW
	R9W S32 in NE
	R9W S5 in SE
	T27S S6 in SW, quadrant; dig pits 18X18X12 in. in each sec. 5½ ft. dist; & raise a mound of earth 4 ft base, 2 ft high, W of cor.
	Land, bench sloping W.
	Soil, light yellow clay loam, 4 to 10 in. deep fine texture, dry, on clay subsoil.
	No timber.
	Scanty growth of shadscale and sagebrush
	Nov. 11, 1910. At this cor. I set off 17°20' S on the decl. arc; and at 11h 44m a.m. m.t. observe the sun on the meridian; the resulting lat is 38°30' N.
	E bet. secs. 5 & 32.
	Over bench land through scanty sagebrush.
6.00	Small wash drains N45°W.
10.00	Wood road bears N60°W & S60°E.
20.00	Enter stony ground.
35.50	Wash drains N40°W.
40.00	Set an iron post 3 ft long, 1 in. diam. 26 in. in ground, for 1/4 sec. cor. marked on brass cap 1/4 S32 on N half; S5 on S half; dig pits 18X18X12 in. E & W of post, 3 ft. dist; & raise

North Boundary of T 27 S R 9 W.

Chains	
	a mound of earth 3½ ft base, 1½ ft high N of cor.
49.00	Leave stony ground; enter dense sagebrush bears NW & SE.
76.00	Enter scattering cedar.
80.00	Set an iron post 3 ft long, 3 in. diam. 24 in. in ground for cor. of secs. 4, 5, 32 & 33, marked on brass cap T 26 S S 32 in NW R 9 W S 33 in NE R 9 W S 4 in SE T 27 S S 5 in SW. quadrant; from which A cedar tree, 8 in. diam. bears N 41° W, 2.45 chs. dist. marked T 26 S R 9 W S 32 B T A cedar tree, 6 in. diam. bears S 83° W, 1.65 chs dist. marked T 27 S R 9 W S 5 B T No other trees suitable for marking; so raise a mound of stone 2 ft base, 1½ ft high, W of cor. Pits impracticable. Land, bench sloping W Soil, rich, clay loam, 6 to 10 in. deep, partly covered with stone, medium texture, dry. on clay subsoil. Timber, scattering cedar. Undergrowth, sagebrush.
	E. bet. secs. 4 & 33 Over bench land, through scattering cedar timber and sagebrush.
19.75	Wash drains N 50° W.
40.00	Set an iron post 3 ft long, 1 in. diam. 26 in. in ground for ¼ sec. cor. marked on brass cap ¼ S 33 on N half; S 4 on S half; from which A cedar tree, 12 in. diam. bears N 1° E, 63 lks dist. marked ¼ S 33 B T A cedar tree, 10 in. diam. bears S 18° W, 55 lks dist. marked

North Boundary of T27S R9W.

chains	
	1/4 S 4 B J
70.50	Top of bank on S side of Hot Spring draw.
80.00	Set an iron post 3 ft long, 3 in. diam. 24 in. in ground, for cor of secs. 3, 4, 33 & 34, marked on brass cap
	T26S S33 in NW
	R9W S34 in NE
	R9W S3 in SE
	T27S S4 in SW, quadrant; from which
	A cedar tree, 10 in. diam. bears
	N 38° E, 76 lks. dist. marked
	T26S R9W S34 B J
	A cedar tree, 14 in. diam. bears
	S 49° E, 97 lks. dist. marked
	T27S R9W S3 B J
	A cedar tree, 10 in. diam. bears
	S 87° W, 3.88 chs. dist. marked
	T27S R9W S4 B J
	A cedar tree, 12 in. diam. bears
	N 12° W, 39 lks. dist. marked
	T26S R9W S33 B J
	Sand, bench sloping W.
	Soil, rich clay loam 11 to 16 in. deep. medium texture, moist, on clay subsoil.
	Timber, scattering cedar.
	Undergrowth, sagebrush.
	Nov. 11, 1910.

Nov. 13, 1910. At 8h 44m a. m. l. m. t. I set off 38°30' N on the lat. arc; 17°50' S on the decl. arc; and determine a true meridian with the solar at the cor of secs. 3, 4, 33 & 34.

Thence I run

E. bet. secs. 3 & 34.

Over rolling land, through scattering cedar timber & sagebrush.

9.00	Road bears N 70° W & S 70° E.
10.00	Bottom of draw from Hot Spring Canyon, 250 ft. deep.
24.50	Top of N side of draw bears N 70° W & S 70° E.

North Boundary of T27S R9W.

Chains	
28.40	Wire fence bears N & S.
32.00	Small, hot sulphur spring bears S 7.00 chs.
	Water sinks before running 10 ft.
40.00	Set an iron post 3 ft long, 1 in. diam. 26 in. in ground, for 1/4 sec. cor. marked on brass cap 1/4 S 34 on N half; S 3 on S half; from which
	A cedar tree, 16 in. diam. bears
	North, 20 lks dist. marked
	1/4 S 34 B J
	A cedar tree, 10 in. diam. bears
	S 25° E, 21 lks dist. marked
	1/4 S 3 B J
51.70	Wire fence bears N & S
52.50	Road bears N & S, Milford to Hot Springs.
58.00	Foot of mountains, ascend.
80.00	Top of spur projects N 60° W, 450 ft high.
	Set an iron post 3 ft long, 3 in. diam. 24 in. in ground, for cor of secs. 2, 3, 34 & 35, marked on brass cap
	T 26 S S 34 in NW
	R 9 W S 35 in NE.
	R 9 W S 2 in SE
	T 27 S S 3 in SW, quadrant; from which
	A cedar tree, 10 in. diam. bears
	N 34° E, 2.04 chs. dist. marked
	T 26 S R 9 W S 35 B J
	A cedar tree, 6 in. diam. bears
	S 21° E, 69 lks. dist. marked
	T 27 S R 9 W 6 2 B J
	A cedar tree, 5 in. diam. bears
	S 72° W, 78 lks. dist. marked
	T 27 S R 9 W S 3 B J
	No other trees suitable for marking, so raise a mound of stone 2 ft base, 1 1/2 ft high, W of cor.
	Pits impracticable.
	Land, rolling and mountainous.
	W 58.00 chs, rolling land. Soil, sandy loam 14 to 15 in. deep, washed on slopes, on clay and decomposing granite subsoil.
	E. 22.00 chs, mountainous land, covered with

North Boundary of T27S R9W.

chains

loose stones.
Timber, scattering cedar.
Undergrowth, sagebrush.
Mountainous or timbered land 80.00 chs.

E bet. secs. 2 & 35.
Over mountainous land, through scattering cedar timber & sagebrush.
20.00 Head of draw drains N 80° W.
Leave cedar timber bears N 80° W & S 80° E.
35.50 Top of spur projects S 80° W
40.00 Set an iron post 3 ft long, 1 in. diam. 26 in. in ground for 1/4 sec cor. marked on brass cap 1/4 S 35 on N half; S 2 on S half; raise a mound of stone, 2 ft base, 1 1/2 ft high, N. of cor.
Pits impracticable.
51.00 Small draw drains S.
56.00 Enter heavy cedar timber bears N 30° W & S 30° E.
73.00 Leave heavy cedar; enter scattering cedar timber and granite blocks.
80.00 Set an iron post 3 ft long, 3 in. diam. 24 in. in ground, for cor of secs. 1, 2, 35 & 36 marked on brass cap
T26S S 35 in NW
R9W S 36 in NE
R9W S 1 in SE
T27S S 2 in SW, quadrant; from which
A cedar tree, 18 in. diam. bears
N 4° E., 3.28 chs. dist. marked
T26S R9W S 36 B.T.
A cedar tree, 6 in. diam. bears
S 2° 30' W, 2.36 chs. dist. marked
T27S R9W S 2 B.T.
A cedar tree, 6 in. diam. bears
N 10° W, 1.60 chs dist. marked
T26S R9W S 35 B.T.
No other trees suitable for marking, so raise a mound of stone 2 ft base, 1 1/2 ft high, W of cor.
Pits impracticable.

North Boundary of T 27 S R 9 W.

chains	
	Land, mountainous. Soil, light sandy loam, very stony on decomposing granite subsoil. Timber, cedar. Undergrowth, sagebrush. Mountainous land 80.00 chs. Nov. 13, 1910. At this cor. I set off 17°52' S on the decl. arc; and at 11 h 44 m a.m. L. m. t. observe the sun on the meridian, the resulting lat is 38°30' N.
	E. bet. secs 1 & 36
	Over mountainous land, through scattering cedar timber and sagebrush and granite blocks.
11.00	Enter dense cedar timber, bears N 10° E & S 10° W.
28.00	Spur projects S 10° W, 375 ft above cor.
	Leave granite blocks.
40.00	Set an iron post, 3 ft long 1 in diam. 26 in. in ground, for 1/4 sec. cor. marked on brass cap 1/4 S 36 on N half; S 1 on S half; from which
	A cedar tree, 10 in. diam. bears N 45° W, 18 lks. dist. marked 1/4 S 36 B J
	A cedar tree, 11 in. diam. bears S 58° W, 43 lks. dist. marked 1/4 S 1 B J
44.00	Leave heavy cedar timber, bears N 20° E, & S 20° W.
55.00	Draw drains S, 300 ft below spur.
59.00	Low spur projects S.
	Enter scattering oak brush.
80.00	Intersect N & S line on E bdy of Tp, 5.15 chs N of the temp. cor. of Tps 26 & 27 S R 8 & 9 W.
	Set an iron post, 3 ft long 3 in. diam. 24 in. in ground, for cor of Tps. 26 & 27 S, Rs 8 & 9 W, marked on brass cap
	T 26 S on N half
	T 27 S on S half
	R 9 W S 36 in NW
	R 8 W S 31 in NE
	R 8 W S 6 in SE

North Boundary of T 27 S R 9 W.

chains

RQW S 1 in SW. quadrant; dig pits 24x24x12 in. on each line, N, E, & W, 4 ft dist & S 8 ft dist; and raise a mound of earth, 4 ft base, 2½ ft high S of cor.

Land, mountainous.

Soil, sandy loam from decomposing granite 2 to 7 in. deep, washed on slopes, stony, on decomposing granite subsoil.

Timber, cedar.

Undergrowth, oak and sagebrush.

Mountainous land 80.00 chs.

Nov. 13, 1910

This 30th day of Nov. 1910. Edwin Garn resigns and I employ Willis Whitmore to perform the duties of chainman. No officer authorized to administer oaths, other than myself, being available, without great inconvenience, delay and expense, I administer the required preliminary oaths to Willis Whitmore as chainman, and the required final oaths to Edwin Garn, as chainman, and Willis Whitmore as cornerman.

John W. Dougall
United States Transitman

Boundaries of T. 27 S., R. 9 W.

Lines Designated	True Bearing	Distance	Latitudes, N.	Latitudes, S.	Departures. E.	Departures. W.
		chs.	chs.	chs.	chs.	chs.
South Boundary	West	483.25	.....	.....	.....	483.25
West Boundary	North	485.15	485.15	.....	.....	.....
North Boundary	East	.....	.....	.....	481.75	.....
East Boundary	South	.....	.....	485.15	.....	.....
Convergency					.57	
Totals			485.15	485.15	482.32	483.25
			485.15		[illegible]	482.32
Error in lat. and dep.			.0			.93

For general description see notes of subdivision of this township.

John W. Dougall
United States Transitman

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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 John W. Dougall Transitman, 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 N.Bdy.T.29 S. R.9 W.; E.& N.Bdys.T.28 S., R.9 W. and E.and N.bdys.T.27 S., R.9 W. S.L.B.& M., Utah, showing the respective capacities in which they acted:

George W.Daniel, *Chainman.*

Edwin Garn, *Chainman.*

Willis Whitmore, *Moundman.*

, *Moundman.*

, *Axman.*

, *Axman.*

Fred Sharp, *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted John W.Dougall, United States ~~Deputy Surveyor~~ Transitman, in surveying all those parts or portions of the North Boundary T.29 S., R.9 W.; East and North Boundaries of Townships 27 and 28 S., Rs.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.

George W. Daniel, *Chainman.*

Edwin Garn, *Chainman.*

Willis Whitmore, Moundman.

, *Moundman.*

, *Axman.*

, *Axman.*

, *Flagman.*

Subscribed and sworn to before me this ~~thirtieth~~ day of Nov 1910, ~~190~~

John W. Dougall
Instrumentman G. L. O.

SEAL

For final oath of Fred Sharp as flagman see book "F"T.28 S., R.9 W.

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, John W. Dougall, United States ~~Deputy Surveyor~~ Transitman, solemnly swear that, in pursuance of a contract received from Thomas Hull United States Surveyor General for Utah, bearing date of the 6th day of August, 1910, 190 , I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for Utah, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the North Boundary of Township 29 South, Range 9 West; and the east and north boundaries of Townships 27 and 28 South, Range 9 West

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. 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.

John W. Dougall
~~United States Deputy Surveyor~~
United States Transitman.

Subscribed by said John W. Dougall, and sworn to before me this 17 day of April 1912, 190

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

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, Sept. 16, 1913.

The foregoing field notes of the survey of the East and North Boundaries of Township No. 27 South, Range No. 9 West of the Salt Lake Base and Meridian, Utah,

executed by John W. Dougall under his ~~contract No.~~ special instructions, dated August 6, 1910, 190 , 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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4—679.

BOOK A-381

H.

287

FILED

APR 1 1911

M.L.B.

FIELD NOTES

OF THE SURVEY OF THE

SUBDIVISION

AND

RESURVEY OF THE WEST BOUNDARY

OF

TOWNSHIP NO. 27 SOUTH

RANGE NO. 9 WEST

Of the SALT LAKE BASE AND *Meridian,*

UTAH,

AS SURVEYED BY

W. Dougall, ..., *United States* Transitmen. ~~*Deputy Surveyor,*~~

Assignment Group

ter his ~~*Contract*~~ *No.* 5, *dated* August 6, 1910. XXXX

ty commenced November 11, 1910, XXXX

ty completed December 2, 1910. XXXX

Rec. W. Bdy. 605-15v

Subs. 5677 88v

4—679.

BOOK A-381

H.

FILED

APR 1911

M.L.B.

FIELD NOTES

OF THE SURVEY OF THE

SUBDIVISION

AND

RESURVEY OF THE WEST BOUNDARY

OF

TOWNSHIP NO. 27 SOUTH

RANGE NO. 9 WEST

Of the SALT LAKE BASE AND *Meridian,*

UTAH,

AS SURVEYED BY

W. Dourell, ..., ..., *United States* Transitman. ~~*Deputy Surveyor,*~~

Assignment Group

der his ~~*Contract*~~ *No.* 5, *dated* August 6, 1910, ~~XXX~~

ey commenced November 11, 1910, ~~XXX~~

ey completed December 2, 1910. ~~XXX~~

Rec. W. Bdy. 6 05-15v

Subs. 56 77 88v

NAMES AND DUTIES OF ASSISTANTS.

George W. Daniel, chainman
Edwin Garn, chainman
Willis Whitmore, chainman
Willis Whitmore, moundman
William B Clark, moundman
Ernest Harmer, flagman

For preliminary affidavits of Daniel and Garn, as chainmen; Whitmore as moundman, see book "A" T. 29 S., R. 10 W.
For preliminary affidavitsoof Clark, as moundman and Harmer, as flagman, see book "F" T. 28 S., R. 8 W.

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BOOK A-381

INDEX DIAGRAM.

*Township*_____, *Range*_____

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31	32	33	34	35	36

*Meanders Page*_____

6—161

PRELIMINARY OATHS OF ASSISTANTS.

~~We~~ I. Willis Whitmore ~~and~~

do solemnly swear that ~~we~~ I will well and faithfully execute the duties of chainman; that ~~we~~ I will level t chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; th ~~we~~ I will report the true distances to all notable objects, and the true lengths of all lines that ~~we~~ I assist measuring, to the best of ~~our~~ my skill and ability, and in accordance with instructions given ~~us~~ me in the survey the subdivisional lines of Township 27 S., R.9 W. S.L.B.& M., Utah.

, *Chainm*

Willis Whitmore *Chainm*

Subscribed and sworn to before me this thirtieth day of June 1910, 190

SEAL

John W. Dougall
Instrument man G.L.O

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

, *Axm*

, *Axm*

Subscribed and sworn to before me this
day of , 190

SEAL

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

, *Flagm*

Subscribed and sworn to before me this
day of , 190

SEAL

6—11

Resurvey of West Boundary T27S R9W.

Inomo

Survey commenced Nov. 11, 1910 & executed with a W&L. E. Gurley, light mountain transit no number, with solar attachment.
For full description of instrument see Book A, T29S R10W.
Knowing that my instrument is in perfect adjustment from recent obs. on Polaris, Nov. 11, 1910. At 2 h 44 m. p. m. l. m. t. I set off 38°30' N on the lat. arc; 17°21' S on the decl. arc; & determine a meridian with the solar at the cor. of Tps. 26 & 27 S. Rs 9 & 10 W.
Thence I run
South on retracement line on W bdy of sec. 6; at 40.35 chs. I find the 1/4 sec. cor. E 4 lks. dist; & at 80.90 chs. the cor. of secs. 1, 6, 7 & 12 E 8 lks. dist; therefore I continue my line South till I reach the cor. of secs. 13, 18, 19 & 24 on Nov. 11, 1910 & on Nov. 21, 1910 continue line South from cor. of secs. 13, 18, 19 & 24 & find no part of the West boundary in allowable limits in measurement & that many of the corners are nearly obliterated & at 6 miles 5.00 chs. & 15 lks. intersect E & W line at the cor. of Tps. 27 & 28 S Rs 9 & 10 W & as these Tps have not been subdivided I resurvey the range line between them as follows destroying all traces of old 1/4 & sec. cors.
Nov. 21, 1910.
Jan 3, 1911. At 10 h 04 m. a. m. l. m. t. I set off 38°25' N on the lat. arc; 22°51' S on the decl. arc; & determine a meridian with the solar at the cor. of Tps. 27 & 28 S, Rs 9 & 10 W.
I begin at the cor. of Tps. 27 & 28 S, Rs 9 & 10 W, which is a brachyte 12x12x6 in above ground, firmly set, marked and witnessed as described by the surveyor general.

Chains	
	Thence I run.
	North on resurvey line bet. secs. 31 & 36.
	Over gently rolling bench land through small sagebrush.
17.00	Top of S. bank of draw bears E & W.
38.00	Draw 75 ft. deep drains West.
40.00	Set an iron post 3 ft. long, 1 in diam. 26 in. in ground for 1/4 sec. cor. marked on brass cap 1/4 S 36 on W half; S 31 on E half; from which
	A cedar tree 6 in. diam. bears N. 43° E, 1.25 chs. dist. marked 1/4 S 31 B T
	A cedar tree 16 in. diam. bears N 54° W, 1.55 chs. dist. marked 1/4 S 36 B T.
	From this point the old 1/4 sec. cor. which is a stone badly crumbled, marks nearly obliterated bears N 54 lks. dist. I destroy this stone & all marks pertaining to same.
40.50	Enter scattering cedar bears E & W.
44.00	Top of N bank of draw 80 ft. above 1/4 sec. cor. bears S 80° W & N 80° E.
63.60	Leave scattering cedar bears E & W.
80.00	Intersect the cor. of secs. 25, 30, 31 & 36 which is an iron post described in sub. page 48.
	Land; gently rolling bench, W slope.
	Soil; good brown sandy loam, 5 to 12 in. deep, moist, clay subsoil.
	Timber; scattering cedar.
	Undergrowth, small sagebrush.
	Jan 3, 1911.
	Nov. 21, 1910. At 2h 46m. p. m. l. m. t. I set off 38°26' N on the lat. arc; 19°51' S on the decl. arc; & determine a meridian with the solar at the cor. of secs. 25, 30, 31 & 36.
	Thence I run
	North on Resurvey line bet. secs. 25 & 30
	Over gently rolling land through small

Resurvey of West Boundary T27S R9W.

Chains	
	sagebrush
29.00	Road, Milford to Ranch Canyon bears N80°E & S80°W.
40.00	Set an iron post 3 ft. long, 1 in. diam. 26 in in ground for 1/4 sec. cor. marked on brass cap 1/4 S25 on W half; S30 on E half; dig pits 18x18x12 in. N & S of post 3 ft. dist; & raise a mound of earth 3/2 ft. base, 1/2 ft. high, W of cor.
75.50	Draw 30 ft. deep drains W.
80.00	Set an iron post 3 ft. long, 3 in. diam. 24 in in ground for cor. of secs. 19, 24, 25 & 30 marked on brasscap T27S on N half R10W S24 in NW R9W S19 in NE S30 in SE S25 in SW, quadrant; raise a mound of stone 2 ft. base, 1/2 ft. high, W of cor. Pits impracticable. Lands gently rolling bench sloping W. Soil, brown sandy loam 4 to 8 in. deep gravelly, clay subsoil. No timber; undergrowth small sagebrush
	North on resurvey line bet. secs. 19 & 24. Over gently rolling bench land through small sagebrush.
7.00	Wash 4 ft. deep 20 lks. wide, in small draw drains W.
37.00	Wash 6 ft. deep 25 lks. wide drains W.
40.00	Set an iron post 3 ft. long, 1 in. diam. 26 in. in ground for 1/4 sec. cor. marked on brass cap 1/4 S24 on W half; S19 on E half; dig pits 18x18x12 in. N & S of post 3 ft. dist; & raise a mound of earth 3/2 ft. base, 1/2 ft. high W of cor.
52.00	Road, Milford to Roosevelt Hot Springs bears N45°E & S45°W.
80.00	Set an iron post 3 ft. long, 3 in. diam. 24

Resurvey of West Boundary T27S R9W

Drains. in. in ground for cor. of secs 13, 18, 19 & 24
marked on brass cap
T27S on N half
R10W S13 in NW
R9W S18 in NE
S19 in SE
S24 in SW, quadrant; raise a mound
of stone 2 ft. base, 1½ ft. high, W of cor.
Pits impracticable.
Land, gently rolling bench, W slope.
Soil, brown sandy loam, 4 to 10 in. deep,
stony, moist, clay subsoil.
No timber; undergrowth, small sagebrush.
Nov. 21, 1910.

Nov. 24, 1910. At 1h 47m. p.m. l.m.t. I set
off 38°28' N on the lat. arc; 20°29' S on the
decl. arc; & determine a meridian with the
solar at the cor. of secs 13, 18, 19 & 24.
Thence I run
North on resurvey line bet. secs. 13 & 18.
Over gently rolling bench land through
small sagebrush.
40.00 Set an iron post 3 ft. long, 1 in. diam. 26 in
in ground for ¼ sec. cor. marked on brass
cap ¼ S13 on W half; S18 on E half; dig pits
18×18×12 in. N & S of post 3 ft. dist; & raise a
mound of earth 3½ ft. base, 1½ ft. high, W
of cor.
59.25 Wash 10 ft. deep, 20 lks. wide drains W.
73.25 Wash 6 ft. deep 25 lks. wide drains W.
80.00 Set an iron post 3 ft. long, 3 in. diam. 24 in.
in ground for cor. of secs. 7, 12, 13 & 18,
marked on brass cap
T27S on N half
R10W S12 in NW
R9W S7 in NE
S18 in SE
S13 in SW, quadrant; raise a mound
of stone 2 ft. base, 1½ ft. high, W of cor.

Resurvey of West Boundary T 27 S R 9 W.

Chains	
	Pits impracticable Land, gently rolling bench, W slope. Soil, good brown sandy loam 5 to 12 in. deep, medium texture, moist, clay subsoil. No timber; undergrowth, small sagebrush.
	North on resurvey line bet. secs. 7 & 12. Over gently rolling bench land through small sagebrush.
19.75	Wash 6 ft. deep 18 lks. wide drains W.
40.00	Set an iron post 3 ft. long, 1 in. diam. 26 in. in ground for 1/4 sec. cor. marked on brass cap 1/4 S 12 on W half; S 7 on E half; dig pits 18 x 18 x 12 in. N & S of post 3 ft. dist; & raise a mound of earth 3/2 ft. base, 1/2 ft. high, W of cor.
80.00	Set an iron post 3 ft. long 3 in. diam. 24 in. in ground for cor. of secs. 1, 6, 7 & 12, marked on brass cap T 27 S on N half R 10 W S 1 in NW R 9 W S 6 in NE S 7 in SE S 12 in SW quadrant; raise a mound of stone 2 ft. base, 1/2 ft. high, W of cor.
	Pits impracticable. Land, gently rolling bench sloping W. Soil, brown sandy loam, 5 to 10 in. deep, medium texture, moist, clay subsoil. No timber; undergrowth, small sagebrush.
	North on resurvey line bet. secs. 1 & 6. Over gently rolling bench land through small sagebrush.
10.00	Wash 3 ft. deep 15 lks. wide drains N 88° W.
40.00	Set an iron post 3 ft. long, 1 in. diam. 26 in. in ground for 1/4 sec. cor. marked on brass cap 1/4 S 1 on W half; S 6 on E half; dig pits 18 x 18 x 12 in. N & S of post 3 ft. dist; & raise a mound of earth 3/2 ft. base, 1/2 ft. high

Resurvey of West Boundary T27SR9W.

Chains.	
	W of cor.
50.00	Small wash drains W.
75.00	Small wash drains N 80° W.
78.00	Small wash drains N 80° W.
85.15	The cor. of Tps. 26 & 27 S Rs. 9 & 10 W, before described.
	Land gently rolling bench, W slope.
	Soil, brown sandy loam 4 to 12 in. deep medium texture, moist, clay subsoil.
	No timber; undergrowth, small sagebrush.
	Nov. 24, 1910.

Subdivision of T 27 S R 9 W

chains	
	Survey commenced Nov. 12, 1910, and executed with a W & S. E Gurley, light mountain transit, no No; with solar attachment.
	For full description of instrument see Book a, T 29 S R 10 W.
	Knowing that my instrument is in perfect adjustment from recent observations on Polaris,
	Nov. 12, 1910. At 8h 44m a. m. l. m. t. I set off 38°25' N on the lat arc; 17°33' S on the decl. arc; and determine a true meridian, with the solar, at the cor of secs. 1, 2, 35, & 36 on S bdy. of Tp. heretofore described.
	Thence I run
	N 0° 01' W bet. secs 35 & 36
	Over mountainous land, through scattering aspen timber, birch, willow and oak underbrush.
2.50	Bottom of Ranch Canyon spring branch 2 lks wide, 1 in. deep, runs N 80° W.
3.00	Leave aspen timber, willow and birch undergrowth bears N 80° W & S 80° E.
4.25	Timber road bears N 80° W & S 80° E.
5.00	Leave oak underbrush bears E & W, ascend
24.00	Enter cedar & pitch pine timber bears N 60° E, & S 60° W.
28.93	W. gable of Eb. Tanners cabin bears S 44° 35' W
[illegible]	E post of bars of correll bears S 44° 35' W
29.00	Spur projects S 60° W, 425 ft above Ranch Canyon.
40.00	Set an iron post, 3 ft long, 1 in. diam. 26 in. in ground for 1/4 sec cor, marked on brass cap 1/4 S 35 on W half; S 36 on E half; from which
	A pitch pine tree, 7 in. diam. bears N 14° E, 2.30 chs. dist. marked 1/4 S 36 B T
	A pitch pine tree, 20 in. diam. bears N 47° W, 64 lks. dist. marked 1/4 S 35 B T
48.50	Draw drains S 50° W; 100 ft below spur, ascend.
55.75	Spur projects S 80° W, 250 ft above draw.

Subdivision of T 27 S R 9 W.

chains

60.00 Draw drains S 80° W, 300 ft below spur.
64.00 Spur projects S 80° W, 175 ft above draw.
68.00 Draw drains S 80° W, 225 ft below spur.
72.00 Spur projects S 80° W, 125 ft above draw.
74.00 Draw drains S 80° W, 100 ft below spur.
76.00 Spur projects S 80° W, 240 ft above draw.
80.00 Set an iron post, 3 ft long, 2 in. diam. 24 in in ground, for cor. of secs. 25, 26, 35 & 36 marked on brass cap

T 27 S S 26 in NW
R 9 W S 25 in NE
S 36 in SE
S 35 in SW, quadrant; from which
A pitch pine tree, 12 in diam. bears N 23° E, 92 lks dist. marked
T 27 S R 9 W S 25 B T
A pitch pine tree, 12 in. diam. bears S 79° E, 78 lks. dist. marked
T 27 S R 9 W S 36 B T
A pitch pine tree, 8 in. diam. bears S 67° W, 81 lks. dist. marked
T 27 S R 9 W S 35 B T
A pitch pine tree, 18 in. diam. bears N 38° W, 85 lks dist. marked
T 27 S R 9 W S 26 B T

Land, mountainous.
Soil; coarse, sandy loam on ridges, moist, washed on slopes, stony. Draws; brown sandy loam, with some gravel & stones.
Timber; cedar, aspen, & pitch pine.
Undergrowth; oak, willow & birch.
Mountainous land 80.00 chs.

Nov. 12, 1910.

Nov. 15, 1910. At 1 h 45 m. p. m. l. m. t. I set off 38° 26' N on the lat. arc; 18° 25' S on the decl. arc, and determine a true meridian with the solar at the cor. of secs. 25, 26, 35 & 36.
Thence I run
E on random line bet. secs 25 & 36.

Subdivision of T 27 S R 9 W

Chains	
40.00	Set temp 1/4 sec. cor.
80.34	Intersect E bdy of Tp. 17 lks N of cor of secs 25, 30, 31 & 36, heretofore described,
	Thence Drain
	N 89° 53' W on a true line bet secs. 25 & 36.
	Over mountainous land, through sagebrush.
5.00	Draw drains S, 350 ft below cor.
7.00	Leave sagebrush; enter mahogany bears N 10° E, and S 10° W.
20.00	Spur projects N 10° E, 500 ft above draw.
25.00	Enter manzanita undergrowth bears N E & S W.
28.00	Draw drains N 10° E, 325 ft below spur.
40.17	Set an iron post, 3 ft long, 1 in. diam, 26 in in ground, for 1/4 sec. cor. marked on brass cap 1/4 S 25 on N half; S 36 on S half; from which
	A mahogany tree, 9 in. diam. bears
	N 60° W, 55 lks. dist. marked
	1/4 S 25 B J
	A mahogany tree, 8 in. diam. bears
	S 50° W, 32 lks. dist. marked
	1/4 S 36 B J
44.00	Spur projects S 375 ft above draw.
47.00	Head of draw drains S 60° W, 250 ft below spur.
52.00	Spur projects S 60° W, 180 ft above draw.
72.00	Leave mahogany & manzanita; enter cedar and pitch pine timber bears N 60° E & S 60° W.
79.00	Head of draw drains N 80° W, 900 ft below spur.
80.34	The cor. of secs. 25, 26, 35 & 36.
	Land, mountainous.
	Soil on ridges coarse, sandy & stony; slopes washed. Draws stony and sandy on decomposing granite subsoil.
	Timber, pitch pine and cedar.
	Undergrowth, mahogany, manzanita and sagebrush.
	Mountainous land, 80.34 chs
	Nov. 15, 1910.
	Nov. 12, 1910. N 0° 01' W bet secs. 25 & 26.
	Over mountainous land, through pitch pine

Subdivision of T27S R9W

Chains	
	and cedar timber.
20	Draw drains N 80° W, 50 ft below cor, ascend.
10.00	Spur projects S 50° W, 375 ft above draw
111.00	Draw drains S 35° W, 250 ft below spur
36.00	Enter mahogany undergrowth bears N 60° E & S 60° W
110.00	Set an iron post 3 ft long, 1 in. diam. 26 in. in ground, for 1/4 sec cor. marked on brass cap 1/4 S 26 on W half; S 25 on E half; from which
	A pitch pine tree, 7 in. diam. bears S 39° E, 56 lks dist. marked 1/4 S 25 B J
	A pitch pine tree, 6 in. diam. bears S 28° W, 49 lks dist. marked 1/4 S 26 B J.
	Nov 12, 1910. At this cor I set off 17° 36' S on the decl. arc; and at 11 h 14 m. 2 m. t observe the sun on the meridian; the resulting lat is 38° 27' N.
110.25	Spur projects W, 750 ft above draw; leave pitch pine & cedar timber, enter oak & manzanita brush
61.00	Draw drains N 30° W, 600 ft below spur.
68.00	Spur projects N 50° W, 200 ft above draw.
	Leave mahogany & manzanita, bears N 110° W & S 40° E.
74.75	Draw drains N 60° W, 225 ft below spur.
79.90	Spur projects N 70° W, 175 ft above draw.
80.00	Set an iron post 3 ft long, 2 in. diam. 24 in. in ground, for cor of secs, 23, 24, 25 & 26 marked on brass cap
	T 27 S S 23 in NW
	R 9 W S 24 in NE
	S 25 in SE
	S 26 in SW. quadrant; from which
	A lone scrubby pitch pine, 6 in. diam. bears N 62° W, 66 lks. dist. marked T 27 S R 9 W S 23 B J
	No other trees suitable for marking, as rare a mound of stone 2 ft base, 1 1/2 ft high W of cor
	Pits impracticable.
	Land mountainous.
	Soil, sandy loam, 11 to 12 in. deep, coarse texture, stony, mesic, on clay & decomposing granite subsoil

Subdivision of T27S R9W.

chains	
	Timber pitchpine and cedar.
	Undergrowth, oak, mahogany & manzanita.
	Mountainous land 80.00 chs.
	Nov. 12, 1910. At 1h 44m p.m. l. m. t. I set off 38°27' N on the lat. arc; 17°37' S on the delc. arc; and determine a true meridian with the solar at the cor of secs. 23, 24, 25 & 26.
	Thence I run
	S 89°53' E on random line bet. secs 24 & 25.
40.00	Set temp 1/4 sec. cor.
79.96	Intersect E bdy of Tp 40 lks S of cor. of secs. 19, 24, 25 & 30. Hereafter described,
	Thence I run
	S 89°50' W on true line bet. secs. 24 & 25.
	Over mountainous land, through mahogany and manzanita brush, descend.
8.50	Draw drains N 50° W, 450 ft below cor.
14.50	Spur projects N 40° W, 300 ft above draw.
20.00	Leave mahogany and manzanita; enter oak brush, bears N 20° W & S 20° E.
23.00	Draw drains N 40° W, 450 ft below spur.
39.98	Set an iron post 3 ft long, 1 in. diam. 26 in. in ground, for 1/4 sec. cor. marked on brass cap 1/4 S 24 on N half; S 25 on S half; raise a mound of stone, 2 ft base, 1 1/2 ft high, N of cor.
	Pits impracticable.
111.00	Spur projects N 40° W, 275 ft above draw.
144.54	Small spring of good water, bears S 18° W 10.00 chs.
	Water sinks in less than 100 ft from spring at the present time.
53.50	Draw drains N 30° W, 325 ft below spur.
60.00	Spur projects N 25° W, 275 ft above draw.
63.00	Draw drains N 35° W, 100 ft below spur.
67.00	Spur projects N 35° W, 150 ft above draw.
72.00	Head of draw drains N 60° W, 200 ft below spur.
79.96	The cor. of secs. 23, 24, 25 & 26.
	Land mountainous.
	Soil, sandy, loam 4 to 18 in. deep, stony.

Subdivision of T27SR9W

Chains	
	medium texture, moist, on clay and decomposing granite subsoil.
	No timber.
	Undergrowth, oak, mahogany & manzanita.
	Mountainous land 80.00 chs.
	Nov. 12, 1910.
	Nov. 17, 1910. At 8h 45m a.m. l.m.t. I set off 38°27' N on the lat arc; 18°51' S on the decl arc; and determine a true meridian with the solar at the cor of secs. 23, 24, 25 & 26.
	Thence I run
	N 0°01' W bet. secs 23 & 24.
	Over mountainous land through oak brush.
3.00	Head of draw drains N 80° W, 150 ft below cor.
7.00	Spur projects N 80° W, 75 ft above draw.
	Leave oakbrush; enter scattering cedar and pitch pine timber and mahogany brush, bears N 50° W & S 50° E.
13.00	Bottom of Wild Horse Canyon drains W, 350 ft below spur.
23.00	Point of spur projects W, 150 ft above canyon.
26.00	Draw drains S 70° W, 100 ft below spur
39.80	Spur projects W. 375 ft. above draw.
40.00	Set an iron post 3 ft long 1 in diam. 26 in. in ground, for 1/4 sec cor, marked on brass cap 1/4 S 23 on W half; S 24 on E half; from which
	A cedar tree, 6 in. diam. bears
	N 8° E, 3.57 chs. dist. marked
	1/4 S 24 B J
	A mahogany tree, 7 in. diam. bears
	N 63° W, 1.93 chs. dist. marked
	1/4 S 23 B J
43.00	Small draw drains W, 100 ft below spur.
48.00	Spur projects W, 150 ft above draw.
60.00	Bottom of Left Fork of Wild Horse Canyon drains S 60° W, 350 ft below spur; also leave scattering cedar timber & mahogany brush.
80.00	Set an iron post 3 ft long, 2 in diam. 24 in. in ground for cor of secs. 13, 14, 23 & 24, marked

Subdivision of T 27 S R 9 W.

chains

on brass cap
T 27 S S 14 in NW
R 9 W S 13 in NE
S 24 in SE
S 23 in SW, quadrant; raise a mound of stone 2 ft base, 1½ ft high, W of cor.
Pits impracticable.
Land mountainous.
Soil, sandy & clay loam, stony, 3 to 10 in. deep medium texture, moist, on gravel and clay subsoil.
Timber, scattering cedar.
Undergrowth, oak & mahogany.
Mountainous land 80.00 chs.
This cor is 500 ft above canyon.

N 89°50' E on random line bet. sec 13 & 24.
40.00 Set temp. ¼ sec. cor.
79.84 Intersect E bdy of Tp 1½ lks S of cor of secs 13, 18, 19 & 24, hereto fore described.
Nov. 17, 1910. At this cor I set off 18°54' S on the decl. arc; and at 11 h 45 m. a.m. l.m.t. observe the sun on the meridian; the resulting lat. is 38°28' N.
Thence I run
S 89°45' W on true line bet. secs. 13 & 24.
Over mountainous land through scattering pitch pine timber, mahogany & manzanita brush, descend.
16.00 Leave scattering pitch pine, timber, mahogany & manzanita brush, bears NE & SW.
27.00 Bottom of Left Fork of Wild Horse Canyon drains S 70° W. 700 ft. below cor.
35.00 Enter mahogany brush, bears N 50° E, & S 50° W
39.92 Set an iron post 3 ft long, 1 in. diam. 26 in. in ground for ¼ sec. cor. marked on brass cap ¼ S 13 on N half; S 24 on S half; from which
A mahogany tree, 8 in. diam. bears
N 79° E, 14 lks. dist. marked
¼ S 13 B J

Subdivision of T27S R9W.

chains

A mahogany tree, 7 in. diam. bears S 32° E, 2.80 chs. dist. marked 1/4 S 24 13 J

62.00 Point of spur projects S 40° W, 750 ft above canyon.

65.00 Leave mahogany, bears N 16° W & S 16° E.

79.84 The cor of secs. 13, 14, 23 & 24.

Land mountainous.

Soil, light sand & clay loam, very stony, 3 to 10 in. deep, medium texture, moist, on clay gravel & decomposing granite subsoil.

Timber, scattering pitch pine.

Undergrowth, mahogany & manzanita.

Mountainous land 79.84 chs.

N 0° 01' W bet. secs. 13 & 14.

Over mountainous land, ascend.

7.50 Spur projects S 70° W, 250 ft above cor.

14.00 Enter slide rock, bears E & W.

18.00 Leave slide rock, bears E. & W.

36.00 Draw drains W, 500 ft below spur.

110.00 Set an iron post, 3 ft long, 1 in. diam. 26 in. in ground for 1/4 sec. cor. marked on brass cap 1/4 S 14 on W half; S 13 on E half; raise a mound of stone 2 ft base, 1½ ft high, W of cor. Pits impracticable.

116.50 Point of spur projects W, 150 ft above draw.

114.50 Draw drains W, 200 ft below spur.

62.00 Spur projects W, 300 ft above draw.

Enter sage brush, bears E & W.

80.00 Set an iron post 3 ft long, 2 in. diam. 24 in. in ground, for cor of secs. 11, 12, 13, & 14, marked on brass cap

T 27 S S 11 in NW

R 9 W S 12 in NE

S 13 in SE.

S 14 in SW. quadrant; dig pits 18 x 18 x 12 in in each sec. 5½ ft. dist; and raise a mound of earth, 4 ft base, 2 ft high, W of cor.

Land mountainous.

Subdivision of T 27 S R 9 W

chains

S. 63.00 chs, soil, clay and sandy loam, very stony, med. texture, moist, on gravel and decomposing granite subsoil.
N 18.00 chs, soil, rich sandy loam 10 to 20 in. deep, moist on clay subsoil.
No timber. Undergrowth, sagebrush.
Mountainous land 80.00 chs.

Nov. 17, 1910.

Nov. 18, 1910. At 1 h 45 m p. m. l. m. t. I set off 38°29' N on the lat arc; 19°09' S on the decl arc; and determine a true meridian with the solar at the cor of secs. 11, 12, 13, & 14.
Thence I run
N 89°45' E on random line bet. secs. 12 & 13.
40.00 Set temp. 1/4 sec. cor.
80.14 Intersect E bdy of Tp 3 lks N of cor of secs 7, 12, 13 & 18. heretofore described.
Thence I run
S 89°46' W on true line bet. secs. 12 & 13.
Over mountainous land, through oak, mahogany & manzanita brush.
3.00 Spur projects N, 150 ft. above cor, ascend.
29.00 Head of draw drains N 20° E, 400 ft above spur.
40.07 Set an iron post, 3 ft long, 1 in. diam. 26 in. in ground, for 1/4 sec. cor. marked on brass cap 1/4 S 12 on N half; S 13 on S half; from which
A mahogany tree, 8 in. diam. bears N 70° W, 65 lks. dist. marked 1/4 S 12 13 J
A mahogany tree, 6 in. diam. bears S 27° W, 40 lks. dist. marked 1/4 S 13 13 J
44.00 Spur projects N 40° W. 300 ft above draw, descend.
50.00 Leave manzanita, bears N 40° W & S 40° E.
62.00 Leave mahogany; enter sage, bears N 10° W & S 10° E.
80.14 The cor of secs 11, 12, 13, & 14.
Land mountainous.
E. 60.00 chs, light, coarse, sandy loam, stony 3 to 10 in. deep on decomposing granite subsoil.

Subdivision of T 27 S R 9 W.

Chains	
	W. 20.00 chs, rich, brown sandy loam 10 to 24 in. deep, medium texture, moist, on clay subsoil. No timber. Undergrowth, mahogany, manzanita & sagebrush. Mountainous land 80.14 chs.
	Nov. 18, 1910.
	Nov. 29, 1910. At 8 h 48 m. a. m. l. m. t. I set off 38° 29' N on the lat arc; 21° 23' S on the decl. arc, and determine a true meridian with the solar at the cor. of secs. 11, 12, 13 & 14.
	Thence I run
	N 0° 01' W bet. secs. 11 & 12
	Over mountainous land, through sagebrush.
20.00	Leave sagebrush; enter scattering mahogany bears N 40° W & S 40° E.
23.50	Spur projects N 80° W, 470 ft above cor.
31.50	Draw drains N 80° W, 300 ft below spur.
	Enter scattering cedar timber, bears N 80° E & S 80° W
40.00	Set an iron post 3 ft long, 1 in. diam, 26 in. in ground, for 1/4 sec. cor. marked on brass cap 1/4 S 11 on W half; S 12 on E half; from which
	A cedar tree, 8 in. diam. bears
	S 50° E, 62 lks. dist. marked
	1/4 S 12 B J
	No other tree suitable for marking, so raise a mound of stone 2 ft base, 1 1/2 ft high, W of cor. Pits impracticable.
41.00	Spur projects N 40° W, 200 ft above draw.
45.00	Head of draw drains N 40° W, 150 ft below spur.
49.50	Spur projects N 50° W, 100 ft above draw.
75.00	Enter cedar & pitch pine bears NW & SE.
80.00	Set an iron post 3 ft long, 2 in. diam. 24 in. in ground, for cor of secs. 1, 2, 11 & 12 marked on brass cap
	T 27 S S 2 in NW
	R 9 W S 1 in NE
	S 12 in SE
	S 11 in SW, quadrant; from which
	A cedar tree, 6 in. diam. bears

Subdivision of T27SR9W

chains	
	N76°E, 1.60 chs. dist. marked
	T27SR9WS1BJ
	A cedar tree, 10 in. diam. bears
	S31°E, 85 lks. dist. marked
	T27SR9WS12BJ
	A pitch pine tree, 9 in. diam bears
	S58°W, 1.26 chs. dist. marked
	T27SR9WS11BJ
	A cedar tree, 24 in. diam. bears
	N64°W, 64 lks. dist. marked
	T27SR9WS2BJ
	Land mountainous.
	S 20.00 chs. rich, dark, sandy loam, 10 to 20 in. deep, medium texture, moist, on clay subsoil
	N 60.00 chs. poor, coarse, sandy loam, 3 to 6 in deep, stony, on gravel and granite subsoil
	Timber, cedar and pitch pine.
	Undergrowth, mahogany & sagebrush.
	Mountainous land 80.00 chs.
	N 89°46' E on random line bet. secs. 1 & 12
40.00	Set temp. 1/4 sec. cor.
80.00	Intersect E. bdy of Tp. 41 lks N of cor of secs. 1, 6, 7 & 12, heretofore described
	Nov. 29, 1910. At this cor. I set off 21°25' S on the decl. arc; and at 11 h 48 m a.m. l. m. t. observe the sun on the meridian; the resulting lat is 38°39' N.
	Thence I run
	N 89°57' W on true line bet. secs. 1 & 12.
	Over mountainous land, through sagebrush.
2.35	Wood road bears N10°W & S10°E
10.00	Bottom of Hot Spring Canyon, drains N10°W, 100 ft below cor, ascend
23.50	Spur projects N, 400 ft. above canyon.
26.50	Draw drains N, 150 ft below spur.
28.00	Low spur projects N, 100 ft above draw.
	Enter cedar & pitch pine timber, bears N & S.
32.50	Draw drains N, 200 ft deep.
38.00	Spur projects N, 200 ft above draw

Subdivision of T 27 S R 9 W.

chains	
40.00	Set a iron post, 3 ft long, 1 in. diam, 26 in. in ground, for 1/4 sec. cor. marked on brass cap 1/4 S1 on N half; S12 on S half; from which A cedar tree, 6 in. diam. bears N 77° W, 85 lks. dist. marked 1/4 S 1 B J A cedar tree, 5 in. diam. bears S 55° W, 90 lks. dist. marked 1/4 S 12 B J
43.00	Draw drains N, 160 ft deep
64.00	Spur projects N 45° W, 325 ft. above draw.
77.00	Draw drains N 40° W, 400 ft below spur.
80.00	The cor of secs. 1, 2, 11 & 12
	Land, mountainous.
	E 10.00 chs. rich, sandy loam, 4 to 20 in. deep medium texture, moist, on clay subsoil.
	W 70.00 chs. clay loam, very stony, 4 to 16 in. deep moist, on gravel and clay subsoil.
	Timber cedar and pitch pine.
	Undergrowth, sagebrush.
	Mountainous land 80.00 chs.
	Nov. 29, 1910. At 1 h 48 m. p. m. l. m. t. I set off 38° 29' N on the lat. arc; 21° 26' E on the decl. arc; and determine a true meridian with the solar at the cor. of secs. 1, 2, 11 & 12.
	Thence I run
	N 0° 01' W on random line bet. secs. 1 & 2.
40.00	Set temp. 1/4 sec cor.
85.20	Intersect N bdy of Tp 16 lks E of cor of secs 1, 2, 35 & 36, heretofore described.
	Thence I run
	S 0° 08' E on true line bet. secs. 1 & 2
	Over mountainous land, through granite blocks & scattering cedar timber.
4.00	Leave granite blocks bears N 80° W & S 80° E.
38.00	Wood road bears E & W.
38.50	Bottom of Hot Spring Canyon drains N 80° W 500 ft below cor.

Subdivision of T 27 S R 9 W.

Chains	
40.50	Foot of abrupt ascent, bears E & W.
45.20	Set an iron post 3 ft. long, 1 in. diam. 26 in. in ground, for 1/4 sec. cor. marked on brass cap 1/4 S 2 on W half; S 1 on E half; from which A cedar tree, 14 in. diam. bears East, 68 lks. dist. marked 1/4 S 1 B J A cedar tree, 18 in. diam. bears N 59° W, 1.68 chs. dist. marked 1/4 S 2 B J.
48.00	Top of abrupt ascent, 400 ft above canyon bears E & W; enter heavy cedar timber.
69.50	Spur projects N 60° W, 600 ft. above canyon.
84.25	Draw drains N 80° W, 325 ft. below spur.
85.20	The cor. of secs. 1, 2, 11 & 12.
	Land, mountainous.
	S 45.00 chs, clay loam, very stony, 3 to 16 in. deep medium texture, moist, on clay & gravel subsoil.
	N 40.00 chs, sandy loam 4 to 14 in. deep on clay and decomposing granite subsoil.
	Timber cedar. Undergrowth, none.
	Mountainous land 80.00 chs.
	Nov. 29. 1910
	Nov. 14. 1910. Sky being overcast with clouds, solar observations are impossible.
	I run from cor. secs. 2, 3, 34 + 35 on S. bdy. of Tp. heretofore described N 0° 01' W bet secs. 34 & 35
	Over mountainous land through sagebrush.
16.90	Bottom of Ranch Canyon spring branch 4 lks wide, 2 in. deep, runs S 80° W, 350 ft. below cor.
19.25	Timber road bears N 30° W & S 80° E.
24.00	Leave sagebrush: enter heavy cedar and pitch pine timber, bears N 30° E & S 30° W.
40.00	Set an iron post 3 ft long, 1 in. diam. 26 in. in ground, for 1/4 sec. cor. marked on brass cap 1/4 S 34 on W half; S 35 on E half; from which A cedar tree, 10 in. diam. bears N 22° E, 1.26 chs. dist. marked 1/4 S 35 B J

Subdivision of T27S R9W.

Chains	
	A cedar tree, 16 in. diam. bears S 45° W, 10 lks. dist. marked 1/4 S 34 B J
49.00	Spur projects W. 575 ft above canyon.
70.00	Leave heavy, enter scattering cedar & pitch pine timber, bears N 60° W & S 60° E.
79.00	Draw drains S 80° W, 500 ft. below spur.
80.00	Set an iron post 3 ft long, 2 in diam. 24 in. in ground for cor of secs. 26, 27, 34 & 35 marked on brass cap T27S S27 in NW R9W S26 in NE S35 in SE S34 in SW, quadrant; from which A pitch pine tree, 12 in. diam. bears N 12° E, 1.26 chs. dist. marked T27S R9W S26 B J A pitch pine tree, 6 in. diam. bears S 19° E, 62 lks. dist. marked T27S R9W S35 B J A pitch pine tree, 10 in. diam. bears N 59° W, 1.29 chs. dist. marked T27S R9W S27 B J.
	No other trees suitable for marking, so raise a mound of stone 2 ft base, 1½ ft high, W of cor.
	Pits impracticable.
	Land mountainous.
	S. 15.00 chs, sandy loam, 4 to 20 in. deep, coarse texture, moist, on decomposing granite subsoil.
	N 65.00 chs, fine, light, clay loam; gravelly & very stony, 2 to 10 in. deep, on gravel and limestone subsoil.
	Timber pitch pine and cedar.
	Undergrowth, sagebrush.
	Mountainous land 80.00 chs.
	E on random line bet. secs. 26 & 35.
40.00	Set temp 1/4 sec cor,
79.90	Intersect N & S line 3 lks N of cor of secs. 25, 26, 35 & 36.

Subdivision of T 27 S R 9 W.

chains	
	Thence I run
	N 89° 59' W on true line bet. secs 26 & 35.
	Over mountainous land, through heavy pitch
	pine and cedar timber.
8.00	Leave heavy; enter scattering pitch pine
	and cedar timber bears NE & SW.
9.50	Draw drains S 40° W, 300 ft below cor.
16.00	Spur projects S 30° W, 500 ft above draw.
23.00	Draw drains S 30° W, 300 ft below spur.
39.95	Set an iron post 3 ft long, 1 in. diam. 26 in. in
	ground, for 1/4 sec. cor. marked on brass cap
	1/4 S 26 on N half; S 35 on S half; from which
	A cedar tree, 6 in. diam. bears
	N 85° E, 98 lks. dist. marked
	1/4 S 26 B J
	A cedar tree, 4 in. diam. bears
	S 9° E, 1.50 chs. dist. marked
	1/4 S 35 B J
44.50	Spur projects S 10° W, 200 ft above draw.
47.50	Draw drains S, 150 ft below spur.
52.50	Spur projects S, 300 ft above draw.
79.90	The cor of secs. 26, 27, 34 & 35.
	Land mountainous
	Soil, sandy loam, very stony, washed on
	slopes, on gravel, granite & limestone subsoil.
	Timber, pitch pine & cedar.
	Mountainous land 79.90 chs.
	Nov. 14, 1910.
	Nov. 16. 1910. at 8 h 45 m. a. m. l. m. t. I set off
	38° 26' N on the lat arc; 18° 36' S on the decl. arc;
	and determine a true meridian with the solar
	at the cor. of secs. 26, 27, 34 & 35
	Thence I run
	N 0° 01' W bet. secs. 26 & 27.
	Over mountainous land, through scattering
	cedar & pitch pine timber.
6.00	Spur projects S 45° W, 150 ft. above cor.
20.00	Draw drains S 10° W, 100 ft below spur.
40.00	Set an iron post 3 ft long, 1 in. diam. 26 in. in

Subdivision of T27S R9W.

chains	
	ground, for 1/4 sec. cor. marked on brass cap 1/4 S27 on W half; S26 on E half; from which A pitch pine tree, 8 in. diam. bears S 82° E, 29 lks. dist. marked 1/4 S26 B J A cedar tree, 10 in. diam. bears S 43° W, 7 lks. dist. marked 1/4 S27 B J
43.00	Spur projects W. 600 ft above draw.
56.00	Draw drains N 10° E, 500 ft below spur.
77.00	Bottom of Wild Horse Canyon, drains N 80° W 250 ft below draw: leave cedar and pitch pine timber bears NW & SE.
80.00	Set an iron post 3 ft long, 2 in. diam. 24 in. in ground for cor of secs. 22, 23, 26 & 27 marked on brass cap T27S S22 in NW R9W S23 in NE S26 in SE S27 in SW, quadrant; from which A pitch pine tree, 10 in. diam. bears S 64° E, 1.38 chs dist. marked T27S R9W S26 B J A pitch pine tree, 10 in. diam. bears S 9° W, 1.94 chs. dist. marked T27S R9W S27 B J A cedar, 6 in. diam. bears N 65° W. 1.55 chs. dist. marked T27S R9W S22 B J
	No other trees suitable for marking, so raise a mound of stone 2 ft base, 1 1/2 ft high W of cor. Pits impracticable. Land mountainous. Soil is coarse sandy loam, very stony, on limestone, granite and gravel subsoil. Badly washed on slopes. Timber pitch pine and cedar. Mountainous land 80.00 chs. Nov. 16, 1910. At this cor I set off 18° 39' S on the decl arc; and at 11 h 45 m a.m. l. m. t. observe the sun

Subdivision of T 27 S R 9 W

Chains	
	on the meridian; the resulting lat is 38°27'N.
	S 89°59' E on random line bet secs. 23 & 26.
40.00	Set temp. 1/4 sec. cor.
80.00	Intersect N & S line 3 lks S of cor of secs. 23, 24, 25 & 26. Nov. 16, 1910. At 1 h 45 m. p. m. l. m. t. I set off 38°27' N on the lat. arc; 18°40' S on the decl. arc; and determine a true meridian with the polar at the cor. of secs. 23, 24, 25 & 26.
	Thence I run
	West on true line bet secs 23 & 26.
	Over mountainous land
19.50	Draw drains N 50° W, 400 ft below cor.
24.00	Enter cedar and pitch pine timber bears N 40° W & S 40° E.
40.00	Set an iron post 3 ft long, 1 in. diam. 26 in. in ground. for 1/4 sec. cor. marked on brass cap 1/4 S 23 on N half; S 26 on S half; from which
	A cedar tree, 16 in. diam. bears N 80° E., 5 lks. dist. marked 1/4 S 23 B J
	A pitch pine tree, 7 in. diam. bears S 45° W, 15 lks. dist. marked 1/4 S 26 B J
40.25	Spur projects N, 370 ft above draw.
57.50	Bottom of S side of Wild Horse Canyon drains N 60° W, 400 ft below spur.
66.00	Point of spur projects N, 300 ft. above canyon.
75.50	Bottom of Wild Horse Canyon drains S 60° W 425 ft below spur.
78.00	Point of low spur projects S 100 ft above canyon
80.00	The cor of secs. 22, 23, 26 & 27.
	Land mountainous.
	E 20.00 chs. soil, sand & clay loam 4 to 16 in. deep, moist, on gravel subsoil.
	W. 60.00 chs. soil, very stony, some sand & clay on limestone and granite bedrock.
	Timber, cedar & pitch pine.
	Mountainous land 80.00 chs.
	Nov. 16, 1910

Subdivision of T27 S R9W.

chains

Nov. 18. 1910. At 8 h. 45 m. a. m. l. m. t. I set off 38°27' N on the lat. arc; 19°06' S on the decl. arc, and determine a true meridian with the solar at the cor. of secs. 22, 23, 26 & 27.

Thence I run

N 0°01' W bet. secs. 22 & 23.

16.00 Enter scattering cedar & pitch pine timber bears E & W.

18.00 Spur projects S 80° W, 500 ft above cor.

35.00 Bottom of left Fork of Wild Horse Canyon drains S 70° W, 475 ft. below spur.

40.00 Set an iron post 3 ft long, 1 in. diam. 26 in. in ground, for 1/4 sec. cor. marked on brass cap 1/4 S 22 on W half; S 23 on E half; from which

A cedar tree, 16 in. diam. bears S 74° E, 1.95 chs. dist. marked 1/4 S 23 B J

A pitch pine tree, 5 in. diam. bears S 63° W, 99 lks. dist. marked 1/4 S 22 B J

Thence along W side of draw, drains S.

80.00 Set an iron post 3 ft long, 2 in. diam. 24 in. in ground, for cor of secs. 14, 15, 22 & 23 marked on brass cap

T 27 S S 15 in NW

R 9 W S 14 in NE

S 23 in SE

S 22 in SW, quadrant; from which

A pitch pine tree, 10 in. diam. bears N 58° E, 75 lks. dist. marked T 27 S R 9 W S 14 B J

A pitch pine tree, 7 in. diam. bears S 59° E, 1.40 chs. dist. marked T 27 S R 9 W S 23 B J

A pitch pine tree, 8 in. diam. bears S 18° W, 1.47 chs. dist. marked T 27 S R 9 W S 22 B J

A pitch pine tree, 8 in. diam. bears N 56° W, 1.85 chs. dist. marked T 27 S R 9 W S 15 B J

Subdivision of T 27 S R 9 W.

Chains	
	Land mountainous.
	S 35.00 chs. fine clay and sand loam, very stony, on clay, gravel & granite subsoil.
	N. 45.00 chs. coarse sand, on granite subsoil.
	Timber, cedar and pitch pine.
	Mountainous land 80.00 chs.
	E. on random line bet. secs. 14 & 23.
40.00	Set temp 1/4 sec. cor.
79.76	Intersect N & S line 7 lks S of cor of secs 13, 14, 23 & 24.
	Thence Drun
	S 89°57' W on true line bet. secs. 14 & 23.
	Over mountainous land.
6.00	Head of draw drains S 40° W, 200 ft below cor.
10.00	Enter scattering mahogany bears N 40° E & S 40° W.
12.50	Spur projects S 60° W, 150 ft. above draw.
24.00	Head of draw drains N 55° W, 325 ft below spur.
39.88	Set an iron post 3 ft long, 1 in. diam. 26 in. in ground, for 1/4 sec. cor. marked on brass cap 1/4 S 14 on N half; S 23 on S half; from which
	A mahogany tree, 5 in. diam. bears
	N 01° E., 13 lks. dist. marked
	1/4 S 14 13 J
	A mahogany tree, 7 in. diam. bears
	S 42° W, 28 lks. dist. marked
	1/4 S 23 13 J
56.00	Spur projects N 85° W, 380 ft above draw, thence descend along top of spur.
58.00	Leave mahogany; enter cedar & pitch pine timber, bears N 60° W & S 60° E.
79.76	The cor of secs. 14, 15, 22 & 23.
	Land, mountainous.
	Soil on ridges coarse sand from decomposing granite; washed on slopes, stony.
	Draws, light sandy loam, stony, on gravel and decomposing granite subsoil.
	Timber cedar and pitch pine.
	Undergrowth, mahogany.
	Mountainous land 79.76 chs.

Subdivision of T27S R9W.

Chains	
	Nov. 18, 1910. At this cor. I set off 19°09' S on the decl. arc; and at 11h 45m a.m. l. m. t. observe the sun on the meridian; the resulting lat is 38°28' N.
	Nov. 18, 1910.
	Nov. 22, 1910. At 8h 16m a.m. l. m. t. I set off 38°28' N on the lat. arc; 20°01' S on the decl. arc; and determine a true meridian with the solar at the cor of secs. 14, 15, 22 & 23.
	Thence I run
	N 0°01' W bet. secs. 14 & 15.
	Over mountainous land through heavy cedar and pitch pine timber.
2.00	Spur projects N 80° W. 65 ft. above cor.
	Enter sagebrush bears NE & SW.
36.00	Draw drains N 50° W, 450 ft below spur.
40.00	Set an iron post 3 ft long, 1 in. diam. 26 in. in ground; for 1/4 sec. cor. marked on brass cap 1/4 S15 on W half; S14 on E half; from which
	A cedar tree, 6 in. diam. bears
	S 69° E, 1.62 chs. dist. marked
	1/4 S14 B J
	A cedar tree, 5 in. diam. bears
	N 89° W, 63 lks. dist. marked
	1/4 S15 B J
49.00	Low spur projects W, 100 ft. above draw.
69.50	Draw drains W, 75 ft below spur
72.00	Leave sagebrush bears N 30° W & S 30° E.
80.00	Set an iron post 3 ft long, 2 in. diam. 24 in. in ground, for cor of secs 10, 11, 14 & 15, marked on brass cap
	T27S S10 in NW
	R9W S11 in NE
	S14 in SE
	S15 in SW; quadrant; from which
	A cedar tree, 8 in. diam. bears
	N 15° E, 72 lks. dist. marked
	T27S R9W S11 B J
	A cedar tree, 6 in. diam. bears
	S 20° E, 1.00 ch. dist. marked

Subdivision of T27SR9W.

Chains	
	T27SR9WS14BJ
	A pitch pine tree, 16 in. diam. bears
	S63°W, 1.64 chs. dist marked
	T27SR9WS15BJ
	A pitch pine tree, 10 in. diam. bears
	N75°W 1.14 chs. dist. marked
	T27SR9WS10BJ
	Land mountainous & rolling.
	S20.00 chs & N 10.00 chs sandy loam, 3 to 10
	in. deep, stony, on gravel and decomposing
	granite subsoil.
	Balance of mile, clay and sandy loam, 10
	to 20 in. deep, medium texture, moist, on
	clay subsoil.
	Timber, pitch pine and cedar.
	Underbrush, sage.
	Mountainous or heavily timbered land 50.00 chs.
	Nov. 22. 1910. At this cor I set off 20°03' S on the decl.
	arc; and at 11h 46m 0s l.m.t observe the sun on
	the meridian; the resulting lat is 38°29' N.
	N89°57' E on random line bet. secs. 11 & 14
40.00	Set temp 1/4 sec. cor.
79.70	Intersect N & S line 12 lks S of cor of secs. 11, 12, 13 & 14.
	Nov. 22. 1910. At 2h 46m p.m. l.m.t. I set off
	38°29' N on the lat arc; 20°04' S on the decl. arc;
	and determine a true meridian with the
	solar at the cor of secs. 11, 12, 13 & 14
	Thence I run
	S89°52' W on true line bet secs. 11 & 14.
	Over mountainous land through sagebrush.
8.00	Draw drains S20°W, 220 ft below cor.
19.00	Spur projects S20°W, 150 ft above drains.
26.00	Enter scattering cedar and pitch pine
	timber, bears N40°E & S40°W
33.00	Draw drains S35°W, 300 ft below spur.
39.85	Set an iron post 3 ft long, 1 in. diam. 2 in. in
	ground, for 1/4 sec. cor marked on brass cap
	1/4 S11 on N half; S14 on S half; from which

Subdivision of T27SR9W

chains	
	A pitch pine tree, 6in. diam. bears N 80° E., 39 lks. dist. marked 1/4. S 11 B J
	A cedar tree, 16 in. diam. bears S. 47° E., 52 lks. dist. marked 1/4 S 14 B J
44.00	Leave sagebrush, scattering cedar & pitch pine; enter heavy cedar and pitch pine timber bears N 60° E & S 60° W.
50.75	Spur projects S, 325 ft above draw.
74.75	Draw drains S, 500 ft below spur.
79.70	The cor of secs. 10, 11, 14 & 15.
	Land mountainous.
	E 12.00 chs soil, rich, black, sandy loam 10 to 20 in. deep, medium texture, moist, on clay subsoil.
	W 68.00 chs. light, poor, sandy soil, 3 to 10 in. deep medium texture, stony, on clay and decomposing granite subsoil.
	Timber, cedar and pitch pine.
	Undergrowth, sagebrush.
	Mountainous or heavily timbered land 79.70 chs.
	Nov. 22, 1910
	Nov. 30, 1910. At 8h 49m a.m. l.m.t. I set off 38°29' N on the lat. arc; 21°33' S on the decl. arc; and determine a true meridian with the solar at the cor of secs. 10, 11, 14 & 15
	Thence I run
	N 0°01' W bet. secs. 10 & 11
	Over mountainous land through heavy cedar and pitch pine timber.
13.00	Spur projects W, 250 ft. above cor.
27.50	Draw drains W, 300 ft below spur; also leave heavy and enter scattering cedar & pitch pine timber.
35.00	Spur projects W, 200 ft. above draw.
40.00	Set an iron post 3 ft long, 1 in diam. 26 in in ground, for 1/4 sec. cor. marked on brass cap 1/4 S 10 on W half; S 11 on E half; from which
	A pitch pine tree, 4 in. diam. bears

Subdivision of T27S R9W.

chains

N 80° E, 45 lks. dist. marked
1/4 S 11 B J
A cedar tree, 18 in. diam. bears
S 70° W, 1.02 chs. dist. marked
1/4 S 10 B J

58.00 Draw drains S. 60° W, 150 ft. below spur.

66.00 Spur projects W, 325 ft. above draw, thence along steep W. slope.

80.00 Set an iron post 3 ft long, 2 in. diam. 24 in in ground for cor of secs. 2, 3, 10, & 11, marked on brass cap
T27S S3 in NW
R9W S2 in NE
S 11 in SE
S 10 in SW, quadrant; from which
A pitch pine tree, 7 in. diam bears
N 85° E, 1.58 chs. dist. marked
T27S R9W S2 B J
A pitch pine tree, 8 in. diam bears
S 13° E, 47 lks. dist. marked
T27S R9W S11 B J
A cedar tree, 10 in. diam. bears
N 12° W, 1.67 chs. dist. marked
T27S R9W S3 B J
No other tree suitable for marking; so raise a mound of stone 2 ft. base, 1½ ft high, W of cor.
Pits impracticable
Land mountainous.
Soil; poor, sandy loam, 3 to 10 in. deep, very stony, on gravel and decomposing granite subsoil
Timber cedar & pitch pine,
Mountainous land 80.00 chs.

N 89° 52' E on random line bet secs 2 & 11.

40.00 Set temp. 1/4 sec. cor.

79.84 Intersect N & S line 7 lks S of cor of secs 1, 2, 11 & 12
Nov. 30, 1910. At this cor I set off 21° 35' S on the decl. arc; and at 11 h 49 m a.m. l. m. t. observe the sun on the meridian; the resulting lat is 38° 29' N.

Subdivision of T27S R9W.

chains

Thence I run
S89°49'W on true line bet. secs. 2 & 11
Over mountainous land, through heavy cedar and pitch pine timber.

10.00 Leave heavy; enter scattering cedar and pitch pine timber, bears N60°E & S60°W.

30.00 Spur projects N40°W, 200 ft above cor; enter sagebrush, bears N & S.

39.92 Set an iron post 3 ft long, 1 in. diam. 26 in in 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 cedar tree, 5 in. diam. bears
N23°E, 2.20 chs. dist. marked
1/4 S 2 B J
A cedar tree, 6 in. diam. bears
S65°E, 1.16 chs. dist. marked
1/4 S 11 B J

60.00 Draw drains N50°W, 350 ft below draw.
Leave sagebrush, bears N80°W & S80°E.

77.50 Spur projects N40°W, 400 ft above draw.

79.84 The cor. of secs. 2, 3, 10 & 11.
Land mountainous.
E 10.00 chs & W 20.00 chs, poor, light sandy loam 4 to 10 in. deep, coarse texture, on gravel and decomposing granite subsoil.
Balance of mile, rich, dark, sandy loam 10 to 16 in. deep, medium texture, moist, on clay subsoil.
Timber, cedar & pitch pine.
Undergrowth, sagebrush.
Mountainous land 79.84 chs.

Nov. 30. 1910. At 1 h. 49 m. p. m. l. m. t. I set off 38°29' N on the lat. arc; 21°36' S on the decl. arc; and determine a true meridian with the solar at the cor of secs. 2, 3, 10, & 11.
Thence I run
N0°01' W on random line bet. secs. 2 & 3.

110.00 Set temp 1/4 sec. cor.

Subdivision of T 27 S R 9 W

chains

85.27 Intersect N bdy of Tp 10 lks E of cor of secs 2, 3, 34 & 35, heretofore described. Thence I run S 0° 05' E on true line bet secs. 2 & 3. Over rocky mountainous land, through scattering cedars timber & sagebrush.

23.50 Bottom of Hot Spring Canyon drains N 80° W 500 ft below cor. timber road bears N 80° W & S 80° E.

24.00 Leave rocky land, ascend.

32.00 S bank of Hot Spring Canyon, 200 ft above canyon, thence over rolling land, bears N 80° W & S 80° E.

45.27 Set an iron post 3 ft long, 1 in diam. 26 in in ground for 1/4 sec. cor. marked on brass cap 1/4 S 3 on W half; S 2 on E half; from which
A cedar tree, 7 in. diam bears N 64° E, 1.24 chs. dist marked 1/4 S 2 B.T.
A cedar tree, 6 in. diam bears N 68° W, 27 lks dist. marked 1/4 S 3 B.T.

57.00 Low spur projects W, 100 ft high.

71.00 Draw drains N 80° W: foot of mountains bears N 80° W & S 80° E, ascend.

82.00 Spur projects N 50° W, 350 ft above draw.
Leave sagebrush, bears E & W.

85.27 The cor. of secs. 2, 3, 10 & 11.
Land mountainous and rolling.
N 32.00 chs & S 14.00 chs, light, poor, sandy soil, very stony, on decomposing granite & gravel subsoil.
Balance of mile, rich, brown sandy loam, 10 to 20 in. deep, medium texture, on clay subsoil.
Timber, scattering cedar. Undergrowth, sagebrush.
Mountainous land 46.27 chs.

Nov. 30, 1910

This 30th day of Nov. 1910 Edwin Farr resigns, and I employ Willis Whitmore to perform the duties of chainman. No officer authorized to administer oaths, other than myself, being available without great inconvenience, delay, and expense, I administer the required preliminary oaths to Willis Whitmore as chainman, and the required final oaths to Edwin Farr as chainman, and Willis

Subdivision of T27SR9W

Chains	
	Whitmore as cornerman.
	John W. Dougall Instrumentman G.L.O.
	Nov. 15, 1910. At 8h 45m. a.m. l.m.t I set off 38°25'N on the lat. arc; 18°21'S on the decl. arc; and determine a true meridian with the solar, at cor of secs. 3, 4, 33 and 34 on S bdy of Tp. heretofore described
	Thence I run
	N 0°02'W bet. secs 33 & 34.
	Over rolling bench land through scattering cedar timber and sagebrush.
2.00	Bottom of Ranch Canyon Wash, 150 ft below cor.
5.00	N bank of Ranch Canyon Wash, 200 ft above canyon.
	Leave scattering cedar timber bears E & W
25.00	Enter cedar timber, bears N 80°W & S 80°E.
40.00	Set an iron post 3 ft long, 1 in. diam. 26 in in ground for 1/4 sec. cor. marked on brass cap 1/4 S 33 on W half; S 34 on E half; from which
	A cedar tree, 6 in. diam. bears
	S 28°E, 100 ch. dist. marked
	1/4 S 34 B J
	A cedar tree, 8 in. diam. bears
	S 64°W, 1.57 chs. dist. marked
	1/4 S 33 B J
67.50	Wash drains W
73.00	Road bears N 70°W & S 70°E, Milford to Ranch Canyon.
79.00	Wash 15 ft deep drains N 80°W
80.00	Set an iron post 3 ft long, 2 in. diam. 24 in in ground for cor of secs 27, 28, 33, 34, marked on brass cap
	T 27 S S 28 in NW
	R 9 W S 27 in NE
	S 34 in SE
	S 33 in SW, quadrant; from which
	A cedar tree, 8 in. diam. bears
	N 89°E, 1.96 chs. dist. marked
	T 27 S R 9 W S 27 B J
	A cedar tree, 6 in diam. bears
	S 42°E, 64 lks. dist. marked
	T 27 S R 9 W S 34 B J

Subdivision of T 27 S R 9 W

Chains

A cedar tree, 16 in. diam. bears
S 52° W, 98 lks. dist. marked
T 27 S R 9 W S 33 B T
A cedar tree, 7 in. diam. bears
N 78° W, 1.62 chs dist. marked
T 27 S R 9 W S 28 B T
Land, rolling bench, sloping W.
Soil; rich brown clay loam, 10 to 18 in. deep,
medium texture, moist, on clay subsoil.
Timber, cedar. Undergrowth, sagebrush.
Mountainous or timbered land 65.00 chs

E on random line bet. secs. 27 & 34
40.00 Set temp 1/4 sec. cor.
80.00 Intersect N & S line, 28 lks N of cor of secs. 26, 27, 34 & 35.
Thence I run through scattering cedar and pitch pine timber
N 89° 48' W on true line bet. secs 27 & 34
Over rolling land along foot of mountains
2.00 Draw drains S. 45° W.
20.00 Leave pitch pine, and scattering cedar; enter
heavy cedar timber bears N 60° E & S 60° W.
40.00 Set an iron post 3 ft. long, 1 in diam. 26 in in
ground, for 1/4 sec. cor. marked on brass cap
1/4 S 27 on N half; S 34 on S half; from which
A cedar tree, 8 in. diam, bears
N 59° W, 37 lks. dist. marked
1/4 S 27 B T
A cedar tree, 7 in. diam. bears
S 13° E, 30 lks. dist. marked
1/4 S 34 B T
43.50 Road bears N 45° W & S 45° E, Ranch Canyon to
Roosevelt Hot Springs.
80.00 The cor of secs. 27, 28, 33 & 34.
Land, rolling along foothills.
Soil, sandy loam, stony, 5 to 20 in. deep, coarse
texture, moist, on clay and granite subsoil.
Timber, cedar and pitch pine.
Mountainous or heavily timbered land 60.00 chs.
Nov. 15, 1910. At this cor I set off 18° 24' S on the decl. arc;
and at 11 h 45 m. a.m. l. m. t. observe the sun on the
meridian; the resulting lat. is 38° 26' N.

Nov. 15, 1910.

Subdivision of T27S R9W.

chains	
	Nov. 19. 1910. At 8h. 45m. a.m. l.m.t I set off 38°26' N on the lat. arc; 19°20' S on the decl. arc; and determine a true meridian with the solar at the cor. of secs. 27, 28, 33 & 34.
	Thence I run
	N 0°02' W bet. secs 27 & 28.
	Over rolling land through heavy cedar timber.
5.00	Leave heavy; enter scattering cedar, bears NW & SE.
11.00	Foot of ascent bears N 30° W & S 30° E.
20.00	Spur projects N 30° W, 350 ft above cor.
25.00	Leave scattering; enter heavy cedar.
36.00	Draw drains W, 300 ft below spur.
36.50	Road bears N 40° W & S 40° E, Ranch Canyon to Roosevelt Hot Springs.
40.00	Set an iron post 3 ft long, 1 in. diam. 26 in. in ground, for 1/4 sec. cor. marked on brass cap 1/4 S 28 on W half; S 27 on E half; from which
	A cedar tree, 9 in. diam. bears
	N 89° E, 91 lks dist. marked
	1/4 S 27 B T
	A cedar tree, 8 in. diam. bears
	N 70° W, 1.03 chs. dist. marked
	1/4 S 28 B T
49.50	Spur projects W.
74.50	Wood road bears N 60° E & S 60° W.
76.00	Leave heavy; enter scattering cedar timber bears N 60° W & S 60° E.
80.00	Set an iron post 3 ft long, 2 in. diam. 24 in in ground, for cor. of secs. 21, 22, 27 & 28 marked on brass cap
	T 27 S S 21 in NW
	R 9 W S 22 in NE
	S 27 in SE
	S 28 in SW. quadrant; from which
	A cedar tree, 16 in. diam. bears
	N 2° 30' E, 5.05 chs. dist. marked
	T 27 S R 9 W S 22 B T
	A cedar tree, 10 in. diam bears
	S 38° E, 1.15 chs. dist. marked
	T 27 S R 9 W S 27 B T

Subdivision of T27S R9W

Chains	
	A cedar tree, 16 in. diam. bears S22°W, 3.06 chs. dist. marked T27S R9W S28 BJ
	A cedar tree, 12 in. diam. bears N33°W, 3.07 chs. dist. marked T27S R9W S21 BJ
	Land rolling and mountainous.
	S11.00 chs. rolling bench land, sloping W.
	Soil, rich brown sandy loam, 10 to 18 in. deep medium texture, moist, on clay subsoil.
	N69.00 chs. broken stony land.
	Soil sandy, on gravel subsoil.
	Timber cedar.
	Mountainous or heavily timbered land 80.00 chs.
	S89°48'E on random line bet. secs. 22 & 27.
40.00	Set temp. 1/4 sec cor.
80.16	Intersect N & S line 5 lks S of cor of secs. 22, 23, 26 & 27
	Thence I run
	N89°50'W on true line bet. secs. 22 & 27.
	Over mountainous land, through scattering cedar & pitch pine timber.
1.20	Bottom of Wild Horse Canyon, drains N80°W 50 ft below cor.
6.00	Point of spur projects N, 400 ft above canyon.
8.00	Leave scattering; enter heavy cedar and pitch pine timber, bears N & S.
16.00	Draw drains N10°W, 300 ft deep.
32.00	Spur projects N10°W, 350 ft above draw.
40.08	Set an iron post 3 ft long, 1 in. diam. 26 in. in ground, for 1/4 sec. cor. marked on brass cap 1/4 S22 on N half; S27 on S half; from which
	A cedar tree, 6 in. diam. bears N61°E, 57 lks. dist. marked 1/4 S22 BJ
	A cedar tree, 8 in. diam. bears S12°E, 22 lks. dist. marked 1/4 S27 BJ
48.00	Head of draw drains N15°W, 320 ft. below spur.

Subdivision of T 27 S R 9 W.

chains	
56.00	Low spur projects N 30° W, 100 ft above drain.
58.00	Leave heavy cedar and pitch pine; enter scattering cedar bears N 70° E & S 70° W.
62.00	Leave mountainous land; enter stony bench land sloping N. W.
73.00	Wood road, bears N 60° E, & S 60° W.
80.16	The cor. of secs. 21, 22, 27 & 28.
	Land mountainous and bench.
	Soil very stony with little clay soil and gravel on gravel & granite subsoil.
	Timber, cedar & pitch pine.
	Mountainous or heavily timbered land. 62.00 chs
	Nov. 19. 1910. At this cor. I set off 19° 23' S on the decl. arc; and at 11 h 45 m a.m. l. m. t. observe the sun on the meridian; the resulting lat is 38° 27' N.
	N 0° 02' W bet secs. 21 & 22.
	Over rolling stony bench land along foothills through scattering cedar timber.
3.00	Wash drains W, 50 ft below cor: enter sagebrush bears E & W.
16.00	Low spur projects W, 150 ft above wash.
19.50	Wash from Wild Horse Canyon drains N 50° W 50 ft below spur
22.00	Leave scattering cedar timber bears N 30° W & S 30° E.
40.00	Set an iron post, 3 ft long, 1 in. diam. 26 in. in ground, for 1/4 sec. cor. marked on brass cap 1/4 S 21 on W half; S 22 on E half; raise a mound of stone 2 ft base, 1 1/2 ft high, W of cor. Pits impracticable.
42.50	Point of low spur projects W, 200 ft above wash.
63.20	Road bears N 10° E & S 10° W, Ranch Canyon to Roosevelt Hot Springs.
80.00	Set an iron post 3 ft long, 2 in. diam. 24 in. in ground, for cor. of secs. 15, 16, 21 & 22 marked on brass cap T 27 S S 16 in NW R 9 W S 15 in NE S 22 in SE

Subdivision of T27 S R9W.

chains	
	S21 in SW, quadrant; from which
	A cedar tree, 16 in. diam bears
	N82°W, 5.80 chs. dist. marked
	T27 S R9W S16 B J
	A cedar tree, 10 in. diam. bears
	S50°W, 3.12 chs. dist. marked
	T27 S R9W S21 B J
	No other trees suitable for marking, so dig
	pits 18 X 18 X 12 in. in each sec. 5½ ft. dist. and
	raise a mound of earth 4 ft base 2 ft high
	W. of cor.
	Land rolling
	S60.00 chs. soil; clay loam 4 to 10 in. deep, very
	stony, coarse texture, moist, on gravel and
	clay subsoil
	N20.00 chs, soil, sandy loam 10 to 20 in. deep
	medium texture, moist on clay subsoil.
	Timber scattering cedar.
	Undergrowth, sagebrush.
	Nov. 19. 1910. At 1h 45m p.m. l.m.t. I set off
	38°28' N on the lat. arc; 19°24' S on the decl. arc;
	and determine a true meridian with the solar
	at the cor. of secs 15, 16, 21 & 22.
	Thence I run
	S89°50' E on random line bet. secs 15 & 22
40.00	Set temp. ¼ sec cor.
80.17	Intersect N & S line 5 lks N of cor. of secs. 14, 15, 22 & 23.
	Thence I run
	N89°52' W on true line bet. secs. 15 & 22
	Over mountainous land, through heavy cedar
	and pitch pine timber.
5.00	Spur projects 9, 200 ft above cor.
21.00	Head of draw drains N60°W, 300 ft below spur.
31.00	Leave heavy; enter scattering cedar & pitch
	pine timber, bears N60°W & S60°E.
40.08	Set an iron post 3 ft long, 1 in. diam. 26 in. in
	ground, for ¼ sec. cor. marked on brass cap
	¼ S15 on N half; S22 on S half; from which

Subdivision of T27S R9W.

chains	
	A cedar tree, 16 in. diam. bears N 79° W, 2.08 chs. dist. marked 1/4 S15 B J
	A pitch pine tree, 6 in. diam. bears S 22° E, 68 lks. dist. marked 1/4 S22 B J
57.00	Foot of descent; leave mountainous land; enter bench land, bears N & S; also leave scattering cedar & pitch pine bears N & S; and enter sagebrush.
76.30	Road bears N 10° E, & S 10° W, Ranch Canyon to Roosevelt Hot Springs.
80.17	The cor. of secs. 15, 16, 21 & 22.
	Land mountainous and bench.
	E 57.00 chs. mountainous land. Soil; coarse sandy loam, very stony, washed on slopes on gravel and decomposing granite subsoil.
	W 23.17 chs. rolling bench land sloping W. Soil; sandy loam 10 to 18 in. deep, medium texture, moist, on clay subsoil.
	Timber, cedar & pitch pine.
	Undergrowth, sagebrush.
	Mountainous or heavily timbered land 57.00 chs.
	Nov. 19. 1910.
	Nov. 22. 1910. At 2h 46m p. m. l. m. t. I set off 38° 28' N on the lat. arc; 20° 04' S on the decl. arc; and determine a true meridian with the solar at the cor. of secs. 15, 16, 21 & 22.
	Thence I run
	N 0° 02' W bet. secs 15 & 16.
	Over rolling bench land through sagebrush.
15.00	Wash drains N 80° W
21.00	Spur projects W, 150 ft above wash.
32.00	Wash drains W, 200 ft below spur.
40.00	Set an iron post 3 ft. long, 1 in. diam. 26 in. in ground, for 1/4 sec. cor. marked on brass cap 1/4 S16 on W half; S15 on E half; dig pits 18 x 18 x 12 in. N & S of post, 3 ft dist; and raise a mound of earth 3 1/2 ft base, 1 1/2 ft high W of cor

Subdivision of T27S R9W

chains	
72.00	Enter scattering cedar timber bears N 50° E and S 50° W.
78.00	Leave scattering cedar timber bears N 50° E and S 50° W
80.00	Set an iron post 3 ft long, 2 in. diam. 24 in. in ground, for cor of secs. 9, 10, 15 & 16 marked on brass cap T27S S9 in NW R9W S10 in NE S15 in SE S16 in SW, quadrant; from which A cedar tree, 8 in. diam. bears N 80° E, 3.40 chs. dist. marked T27S R9W S10 BT A cedar tree, 10 in. diam. bears S 27° E, 2.40 chs. dist. marked T27S R9W S15 BT A cedar tree, 16 in. diam. bears S 1° W, 2.90 chs. dist marked T27S R9W S16 BT No other tree suitable for marking, so dig pits 18X18X12 in. in each sec. 5½ ft. dist; & raise a mound of earth 4 ft base, 2 ft high W of cor. Land rolling bench, sloping W. S 15.00 chs & N 40.00 chs. soil; clayloam 10 to 20 in. deep, moist, on clay subsoil. Balance of mile is a rocky ridge. Timber, scattering cedar. Undergrowth, sagebrush. Nov. 22, 1910.
	Nov. 25, 1910. At 2h 47m. p.m. l.m.t. I set off 38°29' N on the lat arc; 20°41' S on the decl. arc; and determine a true meridian with the solar at the cor of secs. 9, 10, 15 & 16. Thence I run S 89°52' E on random line bet. secs 10 & 15.
40.00	Set temp ¼ sec. cor.
80.06	Intersect N & S line 7 lks N of cor of secs. 10, 11, 14, & 15. Thence I run

Subdivision of T 27 S R 9 W

Chains

N 89°49' W on true line bet. secs. 10 & 15.
Over mountainous land, through heavy cedar & pitch pine timber, ascend.
4.00 Spur projects S, 200 ft above cor. descend.
21.00 Base of mountains, 500 ft below spur.
Enter bench land bears N & S; also leave heavy cedar & pitch pine; enter scattering cedar timber & sagebrush bears N & S.
38.35 Road bears N & S, Ranch Canyon to Roosevelt Hot Springs.
40.03 Set an iron post 3 ft long, 1 in diam. 26 in. in ground, for 1/4 sec. cor. marked on brass cap 1/4 S10 on N half; S15 on S half; from which
A cedar tree, 12 in. diam. bears N 43° W, 86 lks dist. marked 1/4 S10 B J
A cedar tree 7 in. diam. bears N 4° E, 1.79 chs. dist. marked 1/4 S15 B J
78.00 Leave scattering cedar, bears N 45° E & S 45° W.
80.06 The cor of secs. 9, 10, 15 & 16.
Land mountainous & bench.
E 21.00 chs Soil, sandy & very stony on gravel & granite base.
W 59.00 chs. bench land sloping W.
Soil, rich, brown clay loam 4 to 16 in. deep fine texture, moist, on clay subsoil.
Timber, cedar & pitch pine.
Undergrowth, sagebrush.
Mountainous land 21.00 chs.

Nov. 25, 1910.

Dec. 1, 1910. At 8 h 49 m. a. m. l. m. t. I set off 38°29' N on the lat arc; 21°43' S on the decl. arc; and determine the true meridian with the solar at the cor of secs. 9, 10, 15 & 16.
Thence I run
N 0°02' W bet. secs. 9 & 10.
Over rolling land through sagebrush.
28.00 Wash drains W; enter scattering cedar

Subdivision of T27S R9W

chains

timber; bears N40°W & S40°E.

40.00 Set an iron post 3 ft long, 1 in. diam. 26 in. in ground for 1/4 sec. cor. marked on brass cap 1/4 S9 on W half; S10 on E half; from which
A cedar tree, 4 in. diam. bears
S84°E, 1.81 chs. dist. marked
1/4 S10 BJ
A cedar tree, 16 in. diam. bears
N70°W, 1.08 chs. dist. marked
1/4 S9 BJ

52.25 Wash drains S80°W.

71.00 Wash drains S60°W

80.00 Set an iron post 3 ft. long, 2 in. diam. 24 in. in ground, for cor. of secs. 3, 4, 9 & 10, marked on brass cap
T27S S4 in NW
R9W S3 in NE
S10 in SE
S9 in SW, quadrant; from which
A cedar tree, 5 in. diam. bears
N3°E, 4.58 chs. dist. marked
T27S R9W S3 BJ
A cedar tree, 7 in. diam. bears
S17°W, 2.54 chs. dist. marked
T27S R9W S9 BJ
A cedar tree, 6 in. diam. bears
N3°W, 4.13 chs. dist. marked
T27S R9W S4 BJ
No other trees suitable for marking, so dig pits 18 X 18 X 12 in. in each sec. 5 1/2 ft. dist; & raise a mound of earth 4 ft base, 2 ft high, W of cor.
Land, rolling bench.
Soil, rich, clay loam, 6 to 16 in. deep, fine texture, moist, on clay subsoil.
Timber, scattering cedar.
Undergrowth, sagebrush.
From this cor. W gable of A. D. Allen's house bears S50°18'W.

S89°49'E on random line bet. secs. 3 & 10.

40.00 Set temp 1/4 sec. cor.

Subdivision of T27SR9W.

Chains	
80.10	Intersect N & S line, 9 lks S of cor of secs. 2, 3, 10 & 11.
	Thence I run
	N 89°53' W on a true line bet. secs 3 & 10.:
	Over stony mountainous land, through scattering cedar timber, descend.
9.00	Foot of mountainous land, bears N & S.
	Enter bench land, and sagebrush.
36.50	Road bears N & S, Ranch Canyon to Roosevelt Hot Springs.
40.05	Set an iron post 3 ft long, 1 in. diam. 26 in. in ground for 1/4 sec. cor. marked on brass cap 1/4 S3 on N half; S10 on S half; from which
	A cedar tree, 8 in. diam. bears
	N 44° E, 4.26 chs. dist. marked
	1/4 S 3 B J
	A cedar tree, 10 in. diam. bears
	S 70° E, 1.73 chs. dist. marked
	1/4 S 10 B J
80.10	The cor. of secs. 3, 4, 9 & 10.
	Land mountainous & bench.
	E 15.00 chs, sandy, stony soil on granite bedrock
	W 65.00 chs, rich, sandy soil, 4 to 20 in. deep medium texture, moist on clay subsoil.
	Timber, scattering cedar.
	Undergrowth, sagebrush.
	N 0°02' W on random line bet. secs. 3 & 4.
40.00	Set temp 1/4 sec. cor.
85.06	Intersect N bdy of Tp. 5 lks W of cor. of secs. 3, 4, 33 & 34, heretofore described
	Thence I run
	S on true line bet. secs 3 & 4.
	Over rolling bench land, through scattering cedar timber and sagebrush.
1.00	S bank of Hot Spring Canyon wash bears N 80° W & S 80° E, 40 ft above cor.
35.00	Wash drains N 50° W.
45.06	Set an iron post 3 ft long, 1 in. diam. 26 in. in ground, for 1/4 sec. cor. marked on brass cap

Subdivision of T 27 S R 9 W

Chains	
	1/4 S 4 on W half; S 3 on E half; from which
	A cedar tree, 10 in. diam bears
	N 23° E, 37 lks. dist. marked
	1/4 S 3 B J
	A cedar tree, 8 in. diam. bears
	N 59° W, 1.15 chs. dist. marked
	1/4 S 4 B J
50.00	Enter stony soil bears N 50° E & S 50° W.
67.26	Road bears NE & SW, Milford to Roosevelt Hot Springs.
72.00	Leave stony soil bears NE & SW.
73.25	Wash drains S 20° W
80.50	Wash drains S 20° W
85.06	The cor of secs. 3, 4, 9 & 10.
	Land rolling bench sloping W.
	Soil, brown clay loam, 12 to 16 in. deep medium texture, moist, on clay subsoil.
	Parts of mile stony.
	Timber, scattering cedar
	Undergrowth, sagebrush.
	Dec 1, 1910.
	Nov. 21, 1910. At 8 h. 46 m. a. m. l. m. t. I set off 38° 25' N on the lat arc; 19° 48' S on the decl. arc; and determine a true meridian with the solar at the cor of secs 4, 5, 32 & 33 on S bdy of Tp. heretofore described. Thence I run
	N 0° 03' W bet secs 32 & 33
	Over rolling bench land, through scattering cedar timber & sage brush.
22.00	S bank of Ranch Canyon Wash bears E & W.
	Enter heavy cedar timber bears E & W.
34.00	Bottom of Ranch Canyon Wash, 400 ft. deep drains N 60° W.
40.00	Set an iron post 3 ft. long, 1 in. diam. 26 in. in ground, for 1/4 sec. cor. marked on brass cap
	1/4 S 32 on W half; S 33 on E half; from which
	A cedar tree 7 in. diam. bears
	S 57° E, 18 lks. dist marked
	1/4 S 33 B J

Subdivision of T27SR9W

chains	
	A cedar tree, 8 in. diam. bears N 74° W, 36 lks. dist. marked 1/4 S 32 B J
52.00	North Bank of Ranch Canyon wash bears N 60° W & S 60° E.
80.00	Set an iron post 3 ft long, 2 in. diam. 24 in. in ground, for cor of secs. 28, 29, 32 & 33 marked on brass cap T27S S29 in NW R9W S28 in NE S33 in SE S32 in SW, quadrant; from which A cedar tree, 6 in. diam. bears N 74° E, 48 lks. dist. marked T27S R9W S28 B J A cedar tree, 16 in. diam. bears S 41° E, 67 lks. dist. marked T27S R9W S33 B J A cedar tree 8 in diam. bears S 70° W, 72 lks. dist. marked T27S R9W S32 B J A cedar tree, 17 in. diam. bears N 81° W, 18 lks. dist. marked T27S R9W S29 B J Land rolling bench and mountainous. Soil, sandy loam, 10 to 20 in. deep, medium texture, moist, on clay subsoil. Timber cedar, Undergrowth, sagebrush. Mountainous or heavily timbered land 68.00 chs.
	E on random line bet. secs. 28 & 33.
40.00	Set temp. 1/4 sec. cor.
80.08	Intersect N & S line 21 lks N of cor of secs 27, 28, 33 & 34 Thence I run N 89° 51' W on true line bet. secs. 28 & 33. Over rolling bench land, through heavy cedar timber, and sagebrush.
5.00	Wash 15 ft deep, drains N 80° W
8.95	Road bears N 70° W & S 70° E, Milford to Ranch Canyon

Subdivision of T27SR9W.

chains	
40.04	Set an iron post 3 ft long, 1 in. diam. 26 in. in ground, for 1/4 sec. cor. marked on brass cap 1/4 S28 on N half; S33 on S half; from which
	A cedar tree, 12 in. diam. bears N 41° E, 1.92 chs. dist. marked 1/4 S28 B J
	A cedar tree, 10 in. diam. bears S 48° W, 73 lks. dist. marked 1/4 S33 B J
68.00	Wash drains N 40° W
80.08	The cor. of secs. 28, 29, 32 & 33.
	Land rolling bench, sloping W.
	Soil, rich, clay loam, 4 to 18 in. deep, medium texture, moist, on clay subsoil.
	Timber, cedar. Undergrowth, sagebrush
	Mountainous or heavily timbered land 80.08 chs
	Nov. 21, 1910
	Nov. 23, 1910. At 8h 46m a.m. l.m.t. I set off 38°26' N on the lat. arc; 20°14' S on the decl. arc; and determine a true meridian with the solar at the cor. of secs. 28, 29, 32 & 33.
	Thence I run
	N 0° 03' W bet. secs. 28 & 29.
	Over rolling bench land, through heavy cedar timber & sagebrush.
8.25	Wash drains N 50° W
20.00	Leave heavy; enter scattering cedar timber bears N 40° W & S 40° E.
34.40	Road bears E & W. Milford to Ranch Canyon.
40.00	Set an iron post 3 ft long, 1 in. diam. 26 in. in ground, for 1/4 sec. cor. marked on brass cap 1/4 S29 on W half; S28 on E half; from which
	A cedar tree, 6 in. diam. bears N 80° E, 1.35 chs. dist. marked 1/4 S28 B J
	A cedar tree, 10 in. diam. bears N 80° W. 3.75 chs. dist. marked 1/4 S29 B J.
44.00	Wash drains W; leave cedar timber bears

Subdivision of T27SR9W.

chains

N 35° E, & S 35° W.

63.00 Wash drains W: enter stony land bears E & W.

74.00 Wash drains W.

80.00 Set an iron post, 3 ft long, 2 in. diam. 24 in in ground, for cor of secs. 20, 21, 28 & 29, marked on brass cap,

T27S S20 in NW

R9W S21 in NE

S28 in SE

S29 in SW, quadrant; raise a mound of stones, 2 ft base, 1½ ft high, W of cor.

Pits impracticable.

Sand rolling bench.

S 63.00 chs. sandy, clay loam, 10 to 12 in. deep medium texture, moist, on clay subsoil.

N 17.00 chs. stony, clay soil, on gravel subsoil.

Timber cedar, Undergrowth, sagebrush.

Mountainous or heavily timbered land 20.00 chs.

S 89° 51' E on random line bet secs. 21 & 28.

40.00 Set temp ¼ sec. cor.

79.94 Intersect N & S line 3 lks N. of cor of secs. 21, 22, 27 & 28.

Thence Run

N 89° 50' W on true line bet. secs. 21 & 28.

Over stony rolling bench land, through scattering cedar timber, & sagebrush.

3.00 Road bears N & S Ranch Canyon to Roosevelt Hot Springs.

4.00 Leave scattering: enter heavy cedar timber bears N 40° W & S 40° E.

21.00 Leave heavy; enter scattering cedar timber bears N 60° W & S 60° E.

39.97 Set an iron post 3 ft long, 1 in. diam. 26 in. in ground, for ¼ sec. cor. marked on brass cap ¼ S 21 on N half; S 28 on S half; from which

A cedar tree, 10 in. diam. bears

N 24° E; 85 lks. dist. marked

: ¼ S 21 B T

A cedar tree, 8 in. diam. bears

Subdivision of T27S R9W.

chains	
	S 27° E, 1.46 chs. dist. marked 1/4 S28 13 J
42.00	Wash drains S 80° W.
44.00	Leave scattering cedar bears N 40° E & S 40° W.
65.00	Wash drains S 80° W.
79.94	The cor. of secs. 20, 21, 28 & 29.
	Sand rolling
	Soil, clay and gravel very stony, 5 to 20 in deep, coarse texture, moist, on gravel subsoil.
	Timber cedar. Undergrowth, sagebrush.
	Mountainous or heavily timbered land 17.00 chs.
	Nov. 23, 1910. At this cor I set off 20°16' S on the decl arc; and at 11h 46m a.m. l.m.t. observe the sun on the meridian; the resulting lat is 38°27' N.
	Nov. 23, 1910
	Nov. 24, 1910 At 8h 47m. a.m. l.m.t. I set off 38°27' N on the lat arc; 20°26' S on the decl. arc, and determine a true meridian with the solar at the cor of secs. 20, 21, 28, & 29.
	Thence I run
	N 0° 03' W bet. secs. 20 & 21.
	Over stony, rolling, bench land, through sagebrush.
25.00	Wash drains W.
38.00	Wash drains W.
40.00	Set an iron post 3 ft long, 1 in. diam. 26 in in ground, for 1/4 sec. cor, marked on brass cap 1/4 S20 on W half; S21 on E half; raise a mound of stone 2 ft base, 1 1/2 ft high, W of cor.
	Pits impracticable.
43.00	Wash drains W.
50.50	Wash drains W.
63.50	Wash drains W.
80.00	Set an iron post 3 ft long, 2 in. diam. 24 in. in ground, for cor of secs. 16, 17, 20 & 21, marked on brass cap
	T27S S17 in NW.
	R9W S16 in NE.
	S21 in SE.

Subdivision of T27SR9W.

Chains	
	S 20 in SW, quadrant; raise a mound of stone 2 ft base, 1½ ft high. W of cor.
	Pits impracticable.
	Sand rolling bench.
	Soil; clay loam, 4 to 8 in. deep, very stony, coarse texture, moist, on clay & gravel subsoil.
	No timber. Undergrowth, sagebrush.
	Nov. 24, 1910
	Nov. 25-1910. At 8h 47m, a. m. l. m. t. I set off 38°28' N on the lat arc; 20°38' S on the decl. arc; and determine a true meridian with the solar at the cor of secs. 16, 17, 20 & 21.
	Thence I run
	S 89°50' E on random line bet. secs. 16 & 21.
40.00	Set temp ¼ sec. cor.
79.90	Intersect N & S line 30 lks S of cor of secs. 15, 16, 21 & 22.
	Thence I run
	S 89°57' W on true line bet. secs. 16 & 21.
	Over rolling bench land through sagebrush.
4.50	Enter scattering cedar bears N & S.
22.00	Leave scattering cedar bears N & S.
35.50	Wash, 10 ft deep 60 ft. wide, drains N 60° W.
37.00	Enter stony land bears N 40° W & S 40° E.
39.95	Set an iron post, 3 ft long, 1 in diam. 26 in. in ground, for ¼ sec cor marked on brass cap ¼ S 16 on N half; S 21 on S half; raise a mound of stone, 2 ft base, 1½ ft high, N of cor.
	Pits impracticable.
79.90	The cor of secs. 16, 17, 20 & 21.
	Sand rolling bench, sloping W.
	E 37.00 chs. rich, sandy loam, 4 to 20 in. deep, medium texture, moist, on clay subsoil.
	W 42.90 chs. clay loam, 6 to 10 in deep, surface stony, medium texture, moist, on clay subsoil.
	Timber scattering cedar.
	Undergrowth, sagebrush.

Subdivision of T27S R9W.

chains	
	N 0°03' W bet. secs 16 & 17
	Over stony, rolling bench land, through sagebrush.
3.00	Small wash drains N 45° W.
34.00	Wash drains N 60° W.
38.00	Wash 4 ft deep, 80 ft wide drains N 65° W.
40.00	Set an iron post, 3 ft long, 1 in. diam. 26 in. in ground, for 1/4 sec. cor. marked on brass cap 1/4 S 17 on W half; S 16 on E half; from which
	A lone cedar tree, 16 in. diam. bears
	S 31° 30' E. 4 chs. dist. marked
	1/4 S 16 B J
	No other tree suitable for marking, so raise a mound of stone, 2 ft base, 1½ ft high, W of cor.
	Pits impracticable.
41.00	Wash drains W.
42.00	Leave stony soil.
80.00	Set an iron post 3 ft long, 2 in. diam. 24 in. in ground for cor of secs 8, 9, 16 & 17, marked on brass cap
	T 27 S S 8 in NW
	R 9 W S 9 in NE
	S 16 in SE
	S 17 in SW, quadrant; dig pits 18 X 18 X 12 in. in each sec. 5½ ft. dist. & raise a mound of earth 4 ft. base, 2 ft high. W of cor.
	Sand, rolling bench.
	S 42.00 chs. clay loam, 4 to 10 in. deep, stony surface, medium texture, moist, on clay subsoil.
	N 38.00 chs. rich clay loam, 4 to 12 in. deep fine texture on clay subsoil.
	No timber. Undergrowth, sagebrush.
	Nov. 25, 1910. At this cor. I set off 20° 41' S on the decl. arc; and at 11 h 17 min. a.m. I observe the sun on the meridian the resulting lat. is 38° 29' N.

Subdivision of T27S R9W

Chains	
	N89°57'E on random line bet. secs. 9 & 16
40.00	Set temp 1/4 sec. cor.
80.00	Intersect N & S line 7 lks N of cor of secs. 9, 10, 15 & 16
	Thence I run
	West on true line bet. secs 9 & 16.
	Over rolling bench land through sagebrush
30.00	Enter scattering cedar, bears N40°E & S40°W.
31.00	Porphyry Dike 100 ft high bears N & S.
40.00	Set an iron post 3 ft long, 1 in. diam 26 in. in ground, for 1/4 sec. cor. marked on brass cap 1/4 S9 on N half; S16 on S half; from which
	A cedar tree, 8 in. diam. bears
	N70°W, 22 lks. dist. marked
	1/4 S9 B J
	A cedar tree, 9 in. diam. bears
	S 11.2°W, 65 lks. dist. marked
	1/4 S16 B J
112.00	Leave scattering cedar bears NE & SW.
80.00	The cor of secs. 8, 9, 16 & 17.
	Land, rolling bench.
	E 30.00 chs & W 35.00 chs, rich clay loam 4 to 12 in. deep, fine texture, on clay subsoil
	Bal. of mile, stony porphyry dike on limestone base.
	Timber scattering cedar.
	Undergrowth, sagebrush.
	Nov. 25, 1910.
	Dec. 1, 1910. At 2h 19m p.m. l.m.t. I set off 38°29' N on the lat arc; 21°45' S on the decl. arc; and determine a true meridian with the solar at the cor of secs. 8, 9, 16 & 17
	Thence I run
	N0°03'W bet. secs. 8 & 9
	Over rolling bench land through sagebrush.
29.50	Road bears N45°E & S45°W, Milford to Roosevelt Hot Springs.
37.00	Swale 100 ft deep: wash in bottom drains W
40.00	Set an iron post 3 ft long, 1 in. diam. 26 in. in ground for 1/4 sec. cor. marked on brass cap

Subdivision of T27S R9W.

Chains	
	1/4 S8 on W half; S9 on E half; dig pits 18x18x12 in. N & S of post, 3 ft dist; & raise a mound of earth 3 1/2 ft base 1 1/2 ft high, W of cor.
80.00	Set an iron post 3 ft long, 2 in diam. 24 in. in ground, for cor of secs, 4, 5, 8 & 9 marked on brass cap
	T27S S5 in NW
	R9W S4 in NE
	S9 in SE
	S8 in SW, quadrant; dig pits 18x18x12 in. in each sec. 3 1/2 ft dist; and raise a mound of earth 4 ft base, 2 ft high, W of cor.
	Land, rolling bench, sloping west.
	Soil; rich, brown, clay loam, 6 to 12 in. deep fine texture, moist, on clay subsoil.
	No timber. Undergrowth, sagebrush.
	From this cor. W gable of A. V. Allens house bears S77°30' E.
	E. on random line bet. secs 4 & 9.
40.00	Set temp 1/4 sec. cor.
80.12	Intersect N & S line 1 1/4 lks N of cor. of secs. 3, 4, 9 & 10.
	Thence I run
	N 89°54' W on true line bet. secs. 4 & 9
	Over rolling bench land, through scattering cedar timber & sagebrush.
6.00	Wash drains S 20° W
12.00	Enter stony land, bears N 20° E & S 20° W.
	Leave cedar timber, bears NE & SW.
20.50	Road bears N 45° E & S 45° W. Milford to Roosevelt Hot Springs.
40.06	Set an iron post 3 ft long, 1 in. diam. 26 in. in ground, for 1/4 sec. cor. marked on brass cap 1/4 S4 on N half; S9 on S half; raise a mound of stone, 2 ft. base, 1 1/2 ft. high, N of cor. Pits impracticable.
65.00	Wood road bears NW & SE.
68.00	Leave stony land.
80.12	The cor of secs. 4, 5, 8 & 9.

Subdivision of T27S R9W.

Chains

Sand rolling bench, sloping W.
Soil; rich clay loam 4 to 16 in. deep, surface stony, fine texture, moist, on clay subsoil.
Timber, scattering cedar.
Undergrowth, sagebrush.

Dec 1, 1910

Dec. 2 1910. At 8 h 49 m a.m. l. m. t. I set off 38° 29' N on the lat arc; 21° 52' S on the decl. arc; and determine a true meridian with the solar at the cor of secs. 4, 5, 8 & 9.
Thence I run
N 0° 03' W on random line bet secs. 4 & 5.
40.00 Set temp 1/4 sec. cor.
81.89 Intersect N bdy of Tp 21 lks W of cor of secs. 4, 5; 32 & 33, heretofore described
Thence I run
S 0° 06' W on true line bet. secs. 4 & 5.
Over rolling bench land through scattering cedar timber & sagebrush
1.00 Leave scattering cedar bears N 80° W & S 80° E.
41.89 Set an iron post 3 ft long, 1 in. diam. 26 in. in ground, for 1/4 sec. cor. marked on brass cap 1/4 S 5 on W half; S 4 on E half; dig pits 18 x 18 x 12 in. N & S of post, 3 ft dist; & raise a mound of earth 3 1/2 ft base 1 1/2 ft high W of cor.
66.90 Wash drains W.
72.90 Wood road bears N 45° W & S 45° E.
81.89 The cor of secs 4, 5, 8 & 9.
Sand rolling bench, sloping W.
Soil; rich, brown, clay loam, 4 to 19 in. deep medium texture, moist, on clay subsoil.
Timber, scattering cedar.
Undergrowth, sagebrush.

Dec. 2, 1910.

Nov. 21, 1910. N 0° 03' W bet secs 31 & 32 from cor. of secs. 5, 6, 31 + 32 on S. bdy of Tp. heretofore described
Over rolling bench land through scattering cedar timber, and sagebrush.

Subdivision of T27S R9W

chains	
.30	Wash drains N 80° W.
30.00	Leave scattering cedar, bears N 25° E & S 25° W.
40.00	Set an iron post 3 ft. long, 1 in. diam. 26 in. in ground, for 1/4 sec. cor. marked on brass cap 1/4 S 31 on W half; S 32 on E half; dig pits 18 X 18 X 12 in. N & S of post, 3 ft. dist; & raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high, W of cor.
56.50	S side of Ranch Canyon draw bears E & W.
62.00	Wash in bottom of Ranch Canyon draw drains W.
76.00	N side of Ranch Canyon draw bears E & W Enter scattering cedar.
79.80	Small wash drains S 35° W.
80.00	Set an iron post 3 ft long, 2 in. diam. 24 in. in ground, for cor of secs. 29, 30, 31 & 32 marked on brass cap T 27 S S 30 in NW R 9 W S 29 in NE S 32 in SE S 31 in SW, quadrant; from which A cedar tree, 10 in. diam. bears N 73° E, 1.90 chs. dist. marked T 27 S R 9 W S 29 B T A cedar tree, 6 in. diam. bears S 32° E, 1.40 chs. dist. marked T 27 S R 9 W S 32 B T A cedar tree, 5 in. diam. bears S 61° W, 2.81 chs. dist. marked T 27 S R 9 W S 31 B T A cedar tree, 8 in. diam. bears N 48° W, 1.50 chs. dist. marked T 27 S R 9 W S 30 B T Land rolling bench. Soil; rich sandy loam, 10 to 30 in. deep, medium texture, moist, on clay subsoil. Timber scattering cedar. Undergrowth, sagebrush. Nov. 21, 1910. At this cor I set off 19° 50' S on the decl. arc; and at 11 h 46 m 0 s l. m. t. observe the sun on the meridian; the resulting lat is 38° 26' N.

Subdivision of T27S R9W.

chains

Commandon line bet. secs. 29 & 32.
40.00 Set temp. 1/4 sec. cor.
79.96 Intersect N. & S. line 1/4 lks S of cor. of secs. 25, 29, 32, & 33.
Thence Bears
S 89° 57' W on true line bet. secs. 29 & 32.
Over rolling bench land, through heavy cedar timber & sagebrush.
39.98 Set sandstone post, 3 ft long, 3 in. diam. 26 in. in ground, for 1/4 sec. cor. marked on brass cap 1/4 S 29 on N. half; S 32 on S. half; from which
A cedar tree, 6 in. diam. bears
N 10° W. 37 lks dist. marked
1/4 S 29 B J
A cedar tree, 6 in. diam. bears
S 70° E. 78 lks dist. marked
1/4 S 32 B J
40.00 Leave heavy timber & cattering cedar bears
N. 60° W & S 60° E.
79.70 Wash drains S 35° W.
79.96 The cor. of secs. 29, 30, 31 & 32.
Sand rolling bench.
Soil; rich, sandy loam, 10 to 18 in. deep, medium texture, moist, on clay subsoil.
Timber, cedar. Undergrowth, sagebrush.
Mountainous or heavily timbered land 45.00 chs.

W. on random line bet. secs. 30 & 31.
40.00 Set temp. 1/4 sec. cor.
82.11 Intersect W. bdy of Tp. at cor. of secs. 25, 30, 31 & 36, which is a cedar post, badly decayed, marks nearly obliterated.
Duplicate all traces of the old cor. and re-establish it at the same point as follows.
Set sandstone post 3 ft long, 3 in. diam. 26 in. in ground, for cor. of secs. 25, 30, 31 & 36 marked on brass cap.
T 27 S on N. half
R 10 W S 25 in NW
R 9 W S 30 in NE

Subdivision of T27SR9W.

chains	
	S 31 in SE
	S 36 in SW, quadrant; dig pits
	18X18X12 in. in each sec. 5½ ft. dist; & raise a
	mound of earth 4ft. base, 2ft. high, W of cor.
	Thence I run
	E. on true line bet. secs 30 & 31
	Over rolling bench land through sagebrush.
25.00	Enter scattering cedar, bears N 50° E & S 50° W.
43.11	Set an iron post 3ft long, 1in. diam. 26in. in
	ground, for ¼ sec. cor. marked on brass cap
	¼ S 30 on N half; S 31 on S half; from which
	A cedar tree, 10 in. diam. bears
	N 30° E, 70 lks. dist. marked
	¼ S 30 B J
	A cedar tree, 8 in. diam. bears
	S 70° W, 1.50 chs. dist. marked
	¼ S 31 B J
83.11	The cor of secs 29, 30, 31 & 32.
	Land rolling bench.
	Soil; rich sandy loam, 10 to 20 in. deep
	medium texture, moist, on clay subsoil.
	Timber scattering cedar.
	Undergrowth, sagebrush.
	Nov. 21, 1910
	Nov. 23, 1910. At 1h 46m. p. m. l. m. t. I set off
	38° 26' N on the lat. arc; 20° 17' S on the decl. arc;
	and determine a true meridian with the solar
	at the cor. of secs. 29, 30, 31 & 32.
	Thence I run
	N 0° 03' W bet secs 29 & 30.
	Over rolling bench land, through scattering
	cedar timber & sagebrush.
12.00	Leave scattering; enter heavy cedar timber
	bears E & W.
30.00	Leave heavy cedar timber, bears E & W.
38.10	Road bears E & W, Milford to Ranch Canyon.
38.15	Enter plowed ground, extends W 5.00 chs
	and E about 10.00 chs, owner unknown.
40.00	Set an iron post 3ft long, 1in. diam. 26in. in

Subdivision of T27SR9W.

Chains

ground, for 1/4 sec. cor. marked on brass cap
T25S 26 on W half; S29 on E half; dig pits
N W 5.12 on N to S of pit, 2 ft deep; raise a
mound of earth 3½ ft base, 1½ ft high, W of cor.
5.00 Leave flat ground, lightly timbered W side
and brush and reeds
8.00 Set iron post 3 ft long, 2 in. diam. 24 in.
in ground, for corner of sec. 19, 20, 29 & 30,
marked on brass cap
T27S S19 on NW
R9W S20 on NE
S29 on SE
S30 on SW, quadrant; raise a mound
of stone 2 ft base, 1½ ft high, W of cor.
Pits impracticable.
Sand rolling beach.
Soil: rich sandy loam, 10 to 20 in. deep,
medium texture, moist, on clay subsoil.
Timber, cedar. Undergrowth, sagebrush.
Mainly a heavily timbered land. 18.00 chs.

N 89° 57' E on random line bet. sec. 20 & 29.
10.00 Set line for sec. cor.
14.70 Intersect N & S line, 5 chs S of cor. of sec. 20, 21, 28 & 29.
Steep ascent
S 89° 58' W on true line bet. sec. 20 & 29.
Run along rolling beach land through
sagebrush.
24.00 Set iron post 3 ft long, 1 in. diam. 18 in.
ground, for 1/4 sec. cor. marked on brass cap
T25S 20 on N half; S29 on S half; raise a mound
of stone, 2 ft base, 1½ ft high, W of cor.
Pits impracticable.
6.00 Beach drains N 70° W
6.00 Leave sloping land, leave N 66° W & S 66° E.
18.70 The cor. of sec. 19, 20, 29 & 30
Sand rolling beach.
Soil: reeds. Sandy clay soil, little or no
clay subsoil.

Subdivision of T27S R9W.

Chains	
	W 16.70 chs, rich, clay loam 4 to 8 in. deep medium texture, moist, on clay subsoil. No timber, Undergrowth, sagebrush. Nov. 23, 1910
	Jan 3, 1911. At 2h 04m p.m. l.m.t. I set off 38°27' N on the lat arc; 22°51' S on the decl arc; and determine a true meridian with the solar at the cor of secs. 19, 20, 29 & 30. Thence I run W on random line bet secs. 19 & 30.
40.00	Set temp 1/4 sec. cor.
82.97	Intersect W bdy of Tp 1/2 lks N of cor of secs 19, 24, 25 & 30. heretofore described. Thence I run N 89°55' E on true line bet secs. 19 & 30 Over rolling bench land, sloping W.
42.97	Set an iron post 3 ft long, 1 in. diam. 26 in. in ground, for 1/4 sec. cor. marked on brass cap 1/4 S19 on N half; S30 on S half; dig pits 18X18X12 in E & W of post, 3 ft dist; & raise a mound of earth 3 1/2 ft base, 1 1/2 ft high N of cor.
58.00	Enter scattering cedar, bears N55°W & S55°E.
62.00	Leave scattering cedar, bears N45°W & S45°E.
70.00	Wash drains N45°W.
82.97	The cor of secs 19, 20, 29 & 30. Land rolling bench, sloping W. Soil; clay loam 4 to 10 in deep, with some loose stones, medium texture, moist, on clay subsoil. Timber scattering cedar. Undergrowth, sagebrush. Jan. 3. 1911
	Nov. 24, 1910. At 9h 47m a.m. l.m.t. I set off 38°27' N on the lat. arc; 20°27' S on the decl. arc; and determine a true meridian with the solar at the cor. of secs 19, 20, 29 & 30. Thence I run N 0°03' W bet secs. 19 & 20 Over rolling bench land sloping W, through

Subdivision of T27SR9W.

chains

sagebrush.

5.00 Wash drains N 80° W.

24.00 Wash drains N 80° W.

40.00 Set an iron post 3 ft long, 1 in. diam 26 in. in ground, for 1/4 sec. cor. marked on brass cap 1/4 S19 on W half; S20 on E half; dig pits 18x18x12 in N & S of post, 3 ft dist; & raise a mound of earth 3½ ft base, 1½ ft high, W of cor.

70.00 Enter stony land bears NW & SE.

80.00 Set an iron post 3 ft long 2 in. diam 24 in. in ground for cor of secs. 17, 18, 19 & 20, marked on brass cap

T27S S18 in NW

R9W S17 in NE

S20 in SE

S19 in SW. quadrant; raise a mound of stone 2 ft base, 1½ ft high, W of cor.

Pits impracticable.

Land rolling bench sloping W.

S 70.00 chs. rich clay loam, 8 to 10 in deep, medium texture, moist, on clay subsoil

N 10.00 chs. clay loam; surface covered with loose stones.

No timber. Undergrowth, sagebrush.

N 89° 56' E on random line bet. secs. 17 & 20

40.00 Set temp. 1/4 sec. cor.

79.88 Intersect N & S line 3 lks S of cor of secs. 16, 17, 20 & 21

Thence I run

S 89° 55' W on true line bet. secs. 17 & 20

Over stony rolling bench land through sagebrush.

39.94 Set an iron post 3 ft long, 1 in diam. 26 in. in ground, for 1/4 sec. cor. marked on brass cap 1/4 S17 on N half; S20 on S half; raise a mound of stone 2 ft base, 1½ ft high, N of cor.

Pits impracticable.

44.00 Wash drains NW.

73.00 Wash drains NW.

Subdivision of T27SR9W

chains	
79.88	The cor of secs. 17, 18, 19 & 20
	Sand rolling bench.
	Soil; rich clay loam, 4 to 10 in. deep, with loose stones on surface, medium texture, moist, on clay subsoil.
	No timber, Undergrowth, sagebrush.
	Nov. 24, 1910. At this cor. I set off 20°29' S on the decl. arc; and at 11 h 47 m a.m. l.m.t observe the sun on the meridian; the resulting lat is 38°28' N.
	S 89°55' W on random line bet secs 18 & 19.
40.00	Set temp 1/4 sec. cor.
82.72	Intersect W bdy of Tp 12 lks N of cor of secs 13, 18, 19 & 24 heretofore described. Thence I run
	N 89°50' E on a true line bet secs 18 & 19.
	Over stony rolling land through sagebrush.
34.40	Road bears NE & SW, Milford to Roosevelt Hot Springs.
42.72	Set an iron post 3 ft long, 1 in. diam. 26 in. in ground, for 1/4 sec. cor. marked on brass cap 1/4 S 18 on N half; S 19 on S half; raise a mound of stone 2 ft base, 1 1/2 ft high, N of cor. Pits impracticable.
82.72	The cor of secs. 17, 18, 19 & 20.
	Sand rolling bench.
	Soil: light clay loam 4 to 10 in. deep, surface covered with stones, medium texture moist, on clay subsoil.
	No timber. Undergrowth sagebrush.
	Nov. 24, 1910
	Dec 1, 1910. At the cor of secs 17, 18, 19 & 20 I set off 21°45' S on the decl. arc; and at 11 h 49 m a.m. l.m.t observe the sun on the meridian; the resulting lat. is 38°28' N.
	Thence I run
	N 0°03' W bet. secs 17 & 18
	Over stony rolling bench land through

Subdivision of T 27S R9W

Chains	
	sagebrush.
3.00	Wash drains N 80° W
114.00	Wash drains N 80° W.
39.00	Wash drains N 80° W.
110.00	Set an iron post 3 ft long, 1 in. diam. 26 in. in ground, for 1/4 sec. cor, marked on brass cap 1/4 S18 on W half; S17 on E half; raise a mound of stone, 2 ft base, 1 1/2 ft high, W of cor. Pits impracticable
111.35	Road bears N 45° E & S 45° W, Milford to Roosevelt Hot Springs.
55.50	Wash drains N 80° W.
80.00	Set an iron post, 3 ft long, 2 in. diam. 24 in in ground, for cor. of secs. 7, 8, 17 & 18, marked on brass cap T27S S7 in NW R9W S8 in NE S17 in SE S18 in SW, quadrant; raise a mound of stone, 2 ft base 1 1/2 ft high, W of cor. Pits impracticable.
	Land rolling bench
	Soil; rich, clay loam, stony surface, 4 to 8 in. deep, medium texture, moist, on clay subsoil.
	No timber. Undergrowth, sagebrush.
	N 89° 55' E on random line bet. secs. 8 & 17.
40.00	Set temp. 1/4 sec. cor.
79.88	Intersect N & S line 5 lks S of cor. of secs 8, 9, 16 & 17.
	Thence I run
	S 89° 53' W on true line bet. secs 8 & 17.
	Over rolling bench land, through sagebrush.
34.40	Road bears N 45° E & S 45° W, Milford to Roosevelt Hot Springs.
39.94	Set an iron post 3 ft long, 1 in. diam. 26 in. in ground, for 1/4 sec. cor, marked on brass cap 1/4 S8 on N half; S17 on S half; raise a mound of stone 2 ft base, 1 1/2 ft high, N of cor.

Subdivision of T27S R9W.

chains

Pits impracticable.

71.90 Wash drains N 80° W; enter stony soil bears N 40° W & S 40° E.

79.88 The cor. of secs. 7, 8, 17 & 18.

Land rolling bench.

Soil; stony clay loam, 4 to 10 in deep, medium texture, moist, on clay subsoil.

No timber. Undergrowth, sagebrush

Dec 1, 1910

Dec. 2. 1910. At 9h 49m. a. m. l. m. t. I set off 38° 29' N on the lat. arc; 21° 53' S on the decl. arc; and determine a true meridian, with the solar at the cor. of secs. 7, 8, 17 & 18.

Thence I run,

S 89° 50' W on random line bet. secs. 7 & 18.

40.00 Set temp. 1/4 sec. cor.

82.34 Intersect W bdy of Tp 9 lks S of cor. of secs. 7, 12, 13 & 18, heretofore described.

Thence I run

N 89° 54' E on true line bet. secs. 7 & 18.

Over stony rolling land, through sagebrush.

42.34 Set an iron post, 3 ft long, 1 in. diam. 26 in. in ground, for 1/4 sec. cor. marked on brass cap 1/4 S 7 on N half; S 18 on S half; raise a mound of stone 2 ft base, 1 1/2 ft high, N of cor.

Pits impracticable.

53.00 Wash drains N 70° W.

82.34 The cor. of secs. 7, 8, 17 & 18.

Land rolling.

Soil; clay loam 4 to 10 in. deep, stony, medium texture, moist, on clay subsoil.

No timber, Undergrowth, sagebrush.

N 0° 03' W bet. secs 7 & 8.

Over rolling bench land through sagebrush.

3.50 Wash drains N 70° W.

40.00 Set an iron post 3 ft long, 1 in. diam. 26 in. in ground for 1/4 sec. cor. marked on brass cap

Subdivision of T27SR9W.

chains	
	1/4 S7 on W half; S8 on E half; raise a mound of stone 2 ft base, 1½ ft high, W of cor. Pits impracticable.
	Dec. 2, 1910. At this cor I set off 21°54' S on the decl. arc; and at 11h 49m 20s l. m. t. observe the sun on the meridian; the resulting lat. is 38°29' N.
45.50	Swale drains W.
64.50	Wash drains W.
80.00	Set an iron post 3 ft long, 2 in. diam. 24 in. in ground for cor of secs. 5, 6, 7 & 8 marked on brass cap
	T27S S6 in NW
	R9W S5 in NE
	S8 in SE
	S7 in SW, quadrant; raise a mound of stone 2 ft. base, 1½ ft high, W of cor. Pits impracticable.
	Land rolling bench.
	Soil; clay loam, 4 to 16 in. deep, stony surface, medium texture, moist, on clay subsoil.
	No timber. Undergrowth, sagebrush.
	N 89°53' E on random line bet secs 5 & 8
40.00	Set temp 1/4 sec. cor.
79.82	Intersect N & S line 9 lks N of cor of secs 4, 5, 8 & 9.
	Thence I run
	S 89°57' W on true line bet. secs. 5 & 8.
	Over rolling bench land through sagebrush.
28.00	Enter stony land bears NE & SW.
39.91	Set an iron post 3 ft long, 1 in. diam. 26 in. in ground, for 1/4 sec. cor. marked on brass cap 1/4 S5 on N half; S8 on S half; raise a mound of stone 2 ft base, 1½ ft high, N of cor. Pits impracticable.
79.82	The cor. of secs. 5, 6, 7 & 8.
	Land rolling bench, sloping W.
	Soil; clay loam 3 to 18 in. deep, stony surface medium texture, moist, on clay subsoil.
	No timber. Undergrowth, sagebrush.

Subdivision of T 27 S R 9 W.

Chains	
	Dec. 2, 1910. At 1h 49m. p.m. l.m.t. I set off 38°29' N on the lat. arc; 21°55' S on the decl. arc; and determine a true meridian with the solar at the cor of secs. 5, 6, 7 & 8.
	The cor of secs 1, 6, 7 & 12 on W bdy of Tp being plainly visible, I run for said cor.
	S 89°53' W on random line bet. secs 6 & 7
40.00	Set temp 1/4 sec. cor
82.09	Intersect W bdy of Tp at cor of secs. 1, 6, 7 & 12. heretofore described. Thence I run
	N 89°53' E on true line bet. secs 6 & 7.
	Over rolling bench land through sagebrush
17.00	Swale drains N 80° W
42.09	Set an iron post 3 ft long, 1 in. diam. 26 in. in ground, for 1/4 sec. cor. marked on brass cap 1/4 S 6 on N half; S 7 on S half; dig pits 18 x 18 x 12 in. E & W of post, 3 ft dist; & raise a mound of earth 3 1/2 ft base, 1 1/2 ft high, N of cor.
57.75	Wash drains N 55° W.
72.00	Enter stony ground, bears N & S.
82.09	The cor of secs. 5, 6, 7, & 8.
	Land rolling bench.
	Soil; clay loam, 4 to 20 in. deep, part of surface stony, medium texture, moist, on clay subsoil.
	No timber. Undergrowth; sagebrush.
	N 0°03' W on random line bet. secs. 5 & 6.
40.00	Set temp 1/4 sec. cor.
84.98	Intersect N bdy of Tp 12 chs E of cor of secs 5, 6, 31 & 32. heretofore described. Thence I run
	S 0°08' E on true line bet. secs 5 & 6.
	Over rolling bench land, through sagebrush.
24.50	Wood road bears N 75° W & S 75° E.
26.00	Enter stony land, bears N 40° E & S 40° W.
44.98	Set an iron post 3 ft long, 1 in. diam. 26 in. in ground for 1/4 sec. cor. marked on brass cap 1/4 S 6 on W half; S 5 on E half; raise a mound of stone 2 ft base, 1 1/2 ft high, W of cor. Pits impracticable.

Subdivision of T27SR9W.

chains	
51.50	Wash drains W.
72.00	Wash drains W.
84.98	The cor of secs. 5, 6, 7 & 8.
	Land rolling bench, sloping W.
	Soil; clay loam 4 to 16 in deep, stony surface medium texture, moist, on clay subsoil.
	No timber. Undergrowth, sagebrush.
	Dec. 2, 1910

General Description

This Township contains bench and mountainous land.
Soil ranges from gravel to rich loam.
Soil of bench land, which includes all the central and western portion of this Township is generally rich clay loam, capable of raising wheat and other hardy grains without irrigation by proper tilling.
The whole bench is covered with a good growth of sagebrush.
The mountainous land, which comprises eastern part of Township can nearly all be classed as second rate, furnishes slight growth of nutritious grasses.
Cedar, pitch pine, and scattering pine are found growing on nearly all the mountainous land.
Stunted mahogany timber, and mahogany underbrush are also found in the mountains.
Cedar is found in southern part of Township.
There is very little water in this Township.
Small spring branch in Ranch Canyon, very small spring in N part of sec. 25, very small spring in S.E. cor of sec. 12, very small hot sulphur seep in N part of sec 3 comprises all the water in this Township.
This scarcity of water makes it very uncertain for grazing purposes.
There is one settler, A. D. Allen in sec. 9, who has a house in course of construction, which he claims will cost $500. when completed.
One settler Eb Tanner in sec 35, who has a one room cabin, empty at this time, probably cost $50; one corrall, estimated cost $20.
A small patch, probably 5 acres, plowed.
Western part of Township is bench land sloping W, exposed to hot dry south winds, which are very detrimental to vegetation.
Western part of this Township is used for grazing sheep, during early part of

winter. Depend entirely on storms for watering flocks.

Sand washing down from decomposing granite in mountains, mixes with clay on benches, and forms a loam very easy to work, and prevents soil from baking.

John W. Dougall
U. S. Transitman.

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by John W. Dougall, United States ~~Deputy Surveyor~~ Transitman, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of Tps. 29 S., Rs. 9 & 10 W.; T.28 S., R.10 W.; T.28 S., R.9 W.; and T.27 S.R.9 W., S.L.B.& M. Utah; showing the respective capacities in which they acted:

George W. Daniel, Chainman.
Edwin Garn, Chainman.
Willis Whitmore, ~~Mound~~ Chainman
William B. Clark, Moundman.
, Axman.
, Axman.
Ernest Harmer, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted John W. Dougall, United States ~~Deputy Surveyor~~ Transitman, in surveying all those parts or portions of the subdivision and retracement E.bdy.T.29 S., R.10 W.; subdivision and retracement E.bdy.T.29 S., R.9 W.; subdivision of T.28 S., R.10 W.; T.28 S., R.9 W.; and T.27 S.R.9 W. of the Salt Lake Base and meridian, in the state of Utah, which are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for Utah.

Geo W Daniel, Chainman.
Edwin Garn, Chainman.
Willis Whitmore, Chainman.
William B. Clark, Moundman.
, Axman.
, Axman.
Ernest Harmer, Flagman.

Subscribed and sworn to before me this 22 day of Dec, 1910

Bert Nichols
Notary Public

SEAL

My Commission Expires Jan 14 1911

6—151

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, ..., United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from ..... United States Surveyor General for ....., bearing date of the ..... day of ....., 190 , I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for ....., the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of .....

.....

.....

.....

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

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

.....

United States Deputy Surveyor.

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

.....

SEAL

.....

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

....., 190

The foregoing field notes of the survey of .....

.....

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.....

executed by .....

under his contract No. ....., dated ....., 190 , having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

.....

United States Surveyor General.

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

.....

United States Surveyor General.

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by John W. Dougall, ~~Instrumentman General Land Office~~, United States ~~Deputy Surveyor~~ Transitman, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of subdivisional lines of Tps.29 S., Rs.9 & 10 W.; T.28 S., R.10 W.; T.28 S., R.9 W.; and T.27 S., R.9 W.S.L.B.& M., Utah

showing the respective capacities in which they acted:

..., *Chainman.*

..., *Chainman.*

Willis Whitmore, *Moundman.*

..., *Moundman.*

..., *Axman.*

..., *Axman.*

..., *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted John W. Dougall, ~~Instrumentman General Land Office~~, United States ~~Deputy Surveyor~~ Transitman, in surveying all those parts or portions of the subdivision and retracement E.Bdy.T.29 S., R.10 W.; subdivision and retracement E.Bdy.T.29 S.R.9 W.; subdivision of T. 28 S., R.10 W.; T.28 S., R.9 W.; and T.27 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.

..., *Chainman.*

..., *Chainman.*

Willis Whitmore, *Moundman.*

..., *Moundman.*

..., *Axman.*

..., *Axman.*

..., *Flagman.*

Subscribed and sworn to before me this thirtieth day of Nov. 1910, 190

John W. Dougall
Instrumentman G.L.O.

SEAL

6—151

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, ..., United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from ..... United States Surveyor General for ....., bearing date of the ..... day of ....., 190 , I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for ....., the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of .....

.....

.....

.....

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

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

.....

United States Deputy Surveyor.

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

SEAL

.....

.....

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL.

....., 190

The foregoing field notes of the survey of .....

.....

.....

.....

.....

.....

.....

executed by .....

under his contract No. ....., dated ....., 190 , having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

.....

United States Surveyor General.

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

.....

United States Surveyor General.

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:

George W. Daniel ....., *Chainman.*
Edwin Garn ....., *Chainman.*
Willis Whitmore ....., ~~*Moundman.*~~ chainman
William B. Clark ....., *Moundman.*
Willis Whitmore ....., ~~*Axman.*~~ cornerman
....., *Axman.*
Ernest Harmer ....., *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 ....., 190

SEAL

.....

.....

6—151

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, John W. Dougall, United States ~~Deputy Surveyor~~ Transitman, do solemnly swear that in pursuance of a contract received from Thomas Hull United States Surveyor-General for Utah, bearing date of the 6th day of August, 1910, I have well, faithfully, and truly, in my own proper person, and in exact accordance with said instructions ~~issued by the United States Surveyor-General~~ H. L. Rogers, the Manual of Surveying Instructions, and the laws of the United States, surveyed all the exterior boundaries of the subdivisional lines with re-measurement of Sec. 1, T.10 S.; subdivided with retracement T. 10 S., R. 1 E.; subdivision of Sec.25 S.R.10 E.; and subdivision of Sec.27 and 28 T., R.8 E.

of the Salt Lake Base and Meridian, in the State of Utah, which are represented in the accompanying plat executed 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 markings on the corners of each survey.

John W. Dougall
~~United States Deputy Surveyor~~
United States Transitman.

Subscribed by the said John W. Dougall, and sworn to before me this 17 day of April, 1912.

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

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL.

Salt Lake City, Utah, Sept.10, 1913.

The foregoing plat of the survey of the subdivisional lines of Township 10 S. R. 1 East, Range 10.5 West of the Salt Lake Base and Meridian, Utah

Surveyed by John W. Dougall under contract dated August 6, 1910, having been officially examined and the necessary corrections and explanations made, the said field notes, and the survey thereby therein and hereby approved.

Thomas Hull
United States Surveyor General.

I hereby certify that the foregoing transcript of the field notes of the above-described survey is a true and correct copy of the original notes on file in this office.

United States Surveyor General.

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4—679.

BOOK A-381

II.

FILED
FEB 12 1912

M.S.B.

FIELD NOTES

OF THE SURVEY OF THE

East Boundary and
Resurvey of West Boundary
of
Township No. 26 South, Range No. 9 West

Of the Salt Lake Base and Meridian,
Utah

AS SURVEYED BY

John W. Dougall, United States ~~Deputy Surveyor,~~ Transitman

Under his ~~Contract~~ assignment Group No. 5, dated Aug 6, 1910, ~~190~~

Survey commenced Dec. 3, 1910, ~~190~~

Survey completed Jan. 7, 1911, ~~190~~

6—151

E. Bdy 5 79 09. Cor. 1.13'

Rs. W. Bdy 6 03 03' Cor. 2.50'

57909
60175
120084

BOOK A-381

NAMES AND DUTIES OF ASSISTANTS.

George W Daniel chainman
Willis Whitmore chainman
William B Clark moundman
Ernest Harmer flagman

BOOK A-381

INDEX DIAGRAM.

Township 26 South, *Range* 9 West

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

Meanders Page

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PRELIMINARY OATHS OF ASSISTANTS.

WE, Geo W. Daniel and Willis Whitmore

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

the East and resurvey of the West boundary of T.26 S.R.9 W.S.L.B.& Utah.

George W Daniel, Chainma

Willis Whitmore, Chainma

Subscribed and sworn to before me this First day of Dec 1910, 190

SEAL

John W. Dougall
U. S. Transitman

WE, J. William B. Clark and

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

the East, and resurvey of the West boundary of T. 26 S., R. 9 W., S.L B.& M., Utah.

William B Clark, Moundma

, Moundma

Subscribed and sworn to before me this First day of Dec 1910, 190

SEAL

John W. Dougall
U. S. Transitman

WE, and

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

, Axman

, Axman

Subscribed and sworn to before me this day of , 190

SEAL

I, Ernest Harmer, do solemnly swear that I will well and trul perform the duties of flagman according to instructions given me, to the best of my skill and ability, in th survey of the East and resurvey of the West boundary of Township 26 S. R.9 W., S.L.B.& M., Utah.

Ernest Harmer, Flagman

Subscribed and sworn to before me this First day of Dec 1910, 190

SEAL

John W. Dougall
U. S. Transitman

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East Boundary T26S R9W

Survey commenced Dec. 3, 1910 & executed with a W. & L. E. Gurley light mountain transit, no number, with solar attachment.
For description of instrument see Book A.
Knowing my instrument is in perfect adjustment from recent observations on Polaris Dec. 3, 1910. At 8h 50m a.m. l.m.t. I set off 38°30' N on the lat. arc; 22°01' S on the decl. arc; & determine a true meridian with the solar at the cor. of Tps 26 & 27 S Rs. 8 & 9 W.
Thence I run
N bet. secs. 31 & 36
Over mountainous land, ascend.
14.00 Granite ledges 60 ft. high bears N 40° E & S 40° W.
32.00 Top of spur 400 ft. above cor. proj. W., descend.
34.00 Enter scattering scrubby mahogany bears N 80° E & S 80° W
40.00 Set an iron post 3 ft. long, 1 in. diam. 26 in. in ground for 1/4 sec. cor. marked on brass cap 1/4 S 36 on W half; 631 on E half; from which
A mahogany tree, 4 in. diam. bears S 39° E, 42 lks. dist. marked 1/4 S 31 B J
A mahogany tree, 5 in. diam. bears S 65° W, 21 lks. dist. marked 1/4 S 36 B J
48.00 Draw 375 ft. below spur, drains W, ascend
80.00 Set an iron post 3 ft. long, 3 in. diam. 24 in. in ground for cor. of secs. 25, 30, 31 & 36, marked on brass cap
T 26 S in N half
R 9 W S 25 in NW
R 8 W S 30 in NE
S 31 in SE
S 36 in SW. quadrant; from which
A mahogany tree, 5 in. diam. bears N 40° E, 33 lks. dist. marked T 26 S R 8 W S 30 B J
A lone pinion tree, 10 in. diam. bears S 28° E, 140 lks. dist. marked T 26 S R 8 W S 31 B J

A mahogany tree, 6 in. diam. bears
S 40° W, 1.23 chs. dist. marked
T 26 S R 9 W S 36 B J
A mahogany tree, 8 in. diam. bears
N 30° W, 1.20 chs. dist. marked
T 26 S R 9 W S 25 B J
This mile is mountainous.
Ridges with coarse sandy loam.
Valleys, good brown sandy loam; drains
W; decomposing granite subsoil.
Timber, scattering scrubby mahogany.
Mountainous land 80.00 chs.
Sky is overcast, & solar observations are
impossible.
North bet secs. 25 & 30.
Ascend along W slope through scrubby
mahogany.
10.00 Thence descend along W slope
20.00 Draw 250 ft. deep drains W.
37.00 Spur 300 ft. above draw proj. S 45° W
40.00 Set an iron post 3 ft. long, 1 in. diam. 26 in.
ground for 1/4 sec. cor. marked on brass cap
1/4 S 25 on W half; S 30 on E half; from which
A mahogany tree, 4 in. diam. bears
N 75° E, 1.5 lks. dist. marked
1/4 S 30 B J
A mahogany tree, 5 in. diam. bears
N 28° W, 1.36 chs. dist. marked
1/4 S 25 B J
41.00 Small draw 100 ft. below spur, drains S 50° W.
52.00 Spur 200 ft. above draw proj. N 80° W.
60.00 Draw 500 ft. below spur drains N 40° W.
76.00 Spur 150 ft. above draw proj. N 60° W
79.75 Draw 175 ft. below spur drains N 68° W.
Leave mahogany bears N 60° W & S 60° E.
80.00 Set an iron post 3 ft. long, 3 in. diam. 24 in
in ground for cor of secs. 19, 24, 25 & 30
marked on brass cap
T 26 S ~~on~~ N half

East Boundary T26S R9W.

R9W S24 in NW
R8W S19 in NE
S30 in SE
S25 in SW, quadrant; from which
A mahogany tree, 5 in. diam. bears
S 37° E, 1.33 chs. dist. marked
T26S R8W S30 BJ
A mahogany tree, 8 in. diam. bears
S 32° W, 1.13 chs. dist. marked
T26S R9W S25 BJ
A mahogany tree, 6 in. diam. bears
N 85° W, 1.04 chs. dist. marked
T26S R9W S24 BJ
No trees suitable in sec. 19; so raise a mound
of stone 2 ft. base, 1½ ft. high W of cor.
Pits impracticable.
This mile is mountainous.
Ridges with coarse sandy loam.
Valleys, good brown sandy loam, drains
W, decomposing granite subsoil.
Timber, scattering scrubby mahogany.
Mountainous land 80.00 chs.
Dec. 3, 1910.

Dec. 5, 1910. At 8h 50m a.m. l.m.t. I set off
38° 32' N on the lat. arc; 22° 18' S on the decl. arc;
& determine a true meridian with the solar
at the cor. of secs. 19, 24, 25, & 30.
Thence I run
North bet. secs. 19 & 24.
Over rolling mountainous land, ascend
3.75 Small spur 75 ft. above cor. proj. N 80° W.
6.50 Small draw 75 ft. deep, drains W
18.00 Spur 250 ft. above draw, proj. N. 60° W.
30.00 Enter scattering scrubby mahogany &
oakbrush bears E & W.
40.00 Set an iron post 3 ft. long, 1 in. diam. 26 in.
in ground for ¼ sec. cor. marked on brass cap
¼ S 24 on W half; S 19 on E half; from which
A mahogany tree, 5 in. diam. bears

East Boundary T26S R9W.

N 47° E, 63 lks. dist. marked
1/4 S 19 B J
A mahogany tree, 10 in. diam. bears
N 44° W, 58 lks. dist. marked
1/4 S 24 B J

47.50 Draw 350 ft. below spur drains N 55° W, ascend.
72.00 Spur 325 ft. above draw, proj. W; leave mahogany bears E & W.
80.00 Set an iron post 3 ft. long, 3 in. diam, 24 in. in ground for cor. of secs. 13, 18, 19 & 24 marked on brass cap,
T26S on N half
R9W S13 in NW
R8W S18 in NE
S19 in SE
S24 in SW, quadrant; raise a mound of stone 2 ft. base, 1½ ft. high, W of cor.
Pits impracticable.
This mile is mountainous
Ridges with coarse sandy loam,
Valleys, good brown sandy loam, drains W, decomposing granite subsoil.
Timber, mahogany; undergrowth oakbrush.
Mountainous land 80.00 chs.
This cor. is 300 ft. below spur.
Dec. 5, 1910. At this cor. I set off 22° 19' S on the decl. arc; and at 11h 50m a.m. l. m. t. observe the sun on the meridian, the resulting lat. is 38° 33' N.

North bet. secs. 13 & 18.
Over rolling mountainous land through oakbrush, descend.
1.50 Head of draw 75 ft. below cor. drains W.
Leave oak brush bears SW & NE. ascend.
32.00 Spur 500 ft. above draw proj. S 70° W.
Enter mahogany, bears N 70° E & S 70° W.
37.00 Draw, 100 ft. below spur, drains S 60° W.
40.00 Set an iron post 3 ft. long, 1 in. diam. 26 in. in ground for 1/4 sec. cor. marked on brass cap

East Boundary T26S R9W

1/4 S13 on W. half; S18 on E half; from which
A mahogany tree, 6in. diam. bears
N 60° E, 52 lks. dist marked
1/4 S18 B J
A mahogany tree 7in. diam. bears
S 30° W, 49 lks. dist. marked
1/4 S18 B J
Dec. 5, 1910. At 1h 50m. p.m. l. m. t. I set off
38° 33' N on the lat. arc; 22° 20' S on the decl.
arc; & determine a true meridian with
the solar at the 1/4 sec. cor. bet. secs. 13 & 18.
50.00 Leave mahogany bears N 30° W & S 30° E.
61.00 Draw 300 ft. below spur drains W.
75.50 Spur 200 ft. above draw proj W.
80.00 Set an iron post 3 ft. long 3in. diam. 24in.
in ground for cor. of secs. 7, 12, 13 & 18
marked in brass cap
T26S on N half
R9W S12 in NW
R8W S7 in NE
S18 in SE
S13 in SW, quadrant; raise a mound
of stone 2 ft. base, 1½ ft. high W of cor.
Pits impracticable.
Land, mountainous
Soil on ridges, coarse sandy loam.
Valleys, good, brown, sandy loam, drains
W, decomposing granite subsoil.
Timber, scrubby mahogany.
Undergrowth, bakbush.
Mountainous land 80.00 chs.
Dec. 5, 1910.

Dec. 6, 1910. At 8h 51m. a.m. l. m. t. I set off
38° 34' N on the lat. arc; 22° 25' S on the decl.
arc; & determine a true meridian with
the solar at the cor. of secs. 7, 12, 13 & 18.
Thence I run
North bet. secs. 7 & 12
Over rough mountainous land, descend

East Boundary T26S R9E.

Chains

5.00 Head of draw 70 ft. below cor.
12.00 Ridge 250 ft. above draw, bears N10°W & S10°E
16.00 Head of draw, 100 ft. below ridge draws E.
22.00 Sharp rocky spur 200 ft. above draw, proj. N80°E.
39.50 Draw 275 ft. below spur, draws S85°E.
40.00 Set an iron post 3 ft. long, 1 in. diam. 26 in. in ground for 1/4 sec. cor. marked on brass cap 1/4 S12 on W half; S7 on E half; raise a mound of stone 2 ft. base, 1½ ft. high, W of cor. Pits impracticable.
42.00 Small spur 100 ft. above cor. proj. E.
49.00 Draw 225 ft. below spur, draws N80°E.
53.00 Spur 275 ft. above draw, proj. N80°E.
58.50 Draw 300 ft. below spur draws N80°E.
71.00 Spur 350 ft. above draw, proj. E.
76.00 Enter scattering cedar & pinion timber bears N60°W & S60°E.
80.00 Set an iron post 3 ft. long, 3 in. diam. 24 in. in ground for cor. of secs. 1, 6, 7 & 12 marked on brass cap
T26S on N half
R9W S1 in NW
R8W S6 in NE
S7 in SE
S12 in SW quadrant; from which
A pinion tree, 8 in. diam. bears N21°E, 1.26 chs. dist. marked.
T26S R8W S6 BT
A cedar tree, 8 in. diam. bears S77°E, 1.34 chs. dist. marked
T26S R8W S7 BT
A pinion tree, 6 in. diam. bears S25°W, 42 lks. dist. marked
T26S R9W S12 BT
A cedar tree, 7 in. diam. bears N28°W, 1.11 chs. dist. marked
T26S R9W S1 BT
From this cor. old abandoned prospect hole bears N82°W, 18.00 chs.

East Boundary T26S R9W.

This cor. is 200 ft. below top of spur.
Land, broken and mountainous.
Soil on most ridges coarse sandy loam with some rocks and small outcroppings of stone, washed on slopes, stony.
Draws, washed.
Timber, scattering pinon & cedar.
Mountainous land 80.00 chs.
Dec. 6, 1910. At this cor. I set off 22°27' S on the decl. arc; and at 11 h 51 m. a. m. l. m. t. observe the sun on the meridian the resulting lat. is 38° 35' N.

North bet. secs. 1 & 6.
Descend over broken mountainous land through scattering cedar and pinon timber.

4.00 Leave cedar & pinon bears N 80° E & S 80° W.
4.75 Draw 200 ft. below cor. drains N 80° E.
16.00 Spur 350 ft. above draw proj. N 80° E.
31.50 Draw 400 ft. below spur drains E.
40.00 Set an iron post 3 ft. long, 1 in. diam. 26 in. in ground for 1/4 sec. cor. marked on brass cap 1/4 S 1 on W half; S 6 on E half; raise a mound of stone 2 ft. base, 1/2 ft. high, W of cor.
Pits impracticable.
Dec. 6, 1910. At 2 h 51 m. p. m. l. m. t. I set off 38° 35' N on the lat. arc; 22° 27' S on the decl. arc; & determine a true meridian with the solar at the 1/4 sec. cor. bet. secs. 1 & 6.
51.00 Spur 350 ft. above draw proj. E, thence descend along steep E. slope.
62.00 Enter scattering cedar & pinon timber bears N 70° W & S 70° E.
79.09 Intersect 5th Standard Parallel S. 1.13 chs. N 88° 01' W of Standard cor. of Tps. 25 S R 8 & 9 W. which is a quartz stone 24 x 10 x 6 in. above ground

firmly set and marked & witnessed as described by the Surveyor General. Set an iron post 3 ft. long, 3 ins diam 24 in. in ground for closing cor. of Tps. 26 S, Rs 8 & 9 W, marked on brass cap
T25S R9W S36 R8W S31 on N half
T26S on S half
C R8W S6 in. SE
C R9W S1 in SW, quadrant; from which
A pinion tree, 8 in. diam. bears
S 4° E, 32 lks. dist. marked
CC T26S R8W S6 B J
A cedar tree 8 in. diam. bears
S 21° W, 97 lks. dist. marked
CC T26S R9W S1 B J
Land, broken and mountainous.
Soil on ridges coarse sandy loam.
Slopes, washed & stony; drains stony.
Subsoil, decomposing granite.
Timber, cedar & pinion.
Mountainous land 79.27 chs.

Dec. 6, 1910.

Resurvey West Boundary T26S R9W.

Preliminary to closing any subdivision on W. bdy. I run N on a blank line on W bdy of secs 31: at 40.00 chs. no cor. is to be found: at 80.00 chs. after diligent search find no cor: at 120.00 chs. after diligent search no cor. is to be found: at 162.10 chs. I find the cor. of secs. 19, 24, 25 & 30 E, 92 lks dist.; therefore I continue my line N and find no part of the W bdy. in alinement & that many of the cors. are nearly obliterated

At 6 miles 3.03 chs intersect 5th Stand-ard Parallel S, 3.50 chs. W of SC of Tps 25S, Rs 9 & 10 W, and as the townships are not subdivided adjacent to this line I resurvey the range line between them as follows, desroying all traces of old cors. found Dec 21, 1910. At the cor. of Tps 26 & 27S Rs 9 & 10 W, I set off 23°25' S on the decl. arc; and at 11 h 58 m a.m. l. m. t observe the sun on the meridian the resulting lat. is 38°30' N.

Thence I run
North bet. secs 31 & 36
Over gently rolling land through small sagebrush.

34.35 Wood road bears N. E.

39.50 Wash 6 ft. deep, 10 lks wide, drains W.

40.00 Set an iron post 3 ft. long, 1 in. diam. 26 in. in ground for 1/4 sec. cor. marked on brass cap 1/4 S36 on W half; S31 on E half; dig pits 18X18X12 in N & S of post, 3 ft. dist. & raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high W of cor.

80.00 Set an iron post 3 ft. long, 3 in. diam. 24 in. in ground for cor. of secs. 25, 30, 31 & 36 marked on brass cap
T26S on N half
R10W S25 in NW
R9W S30 in NE
S31 in SE
S36 in SW, quadrant; dig pits 18X18X12

in in each sec. 5½ ft. dist; & raise a mound of earth 4 ft. base, 2 ft. high, W of cor.
Land, gently rolling.
Soil, brown clay loam, medium texture, moist, on clay subsoil.
Growth of small sagebrush.
No timber.

Dec. 21, 1910. At 1 h 58 m. p.m. l.m.t. I set off 38°31' N on the lat. arc; 23°25' S on the decl. arc; & determine a true meridian with the solar at the cor. of secs. 25, 30, 31 & 36.
Thence I run
North bet. secs. 25 & 30.
Over gently rolling bench land through small sagebrush.

19.25 Wood road bears N 60° W & S 60° E.

40.00 Set an iron post 3 ft. long, 1 in. diam. 26 in in ground for ¼ sec. cor. marked on brass cap ¼ S 25 on W half; S 30 on E half; dig pits 18 X 18 X 12 in N & S of post, 3 ft. dist; & raise a mound of earth 3½ ft. base, 1½ ft. high, W of cor.

53.75 Leave sagebrush; enter white sage bears N 80° W & S 80° E.

58.00 Wash 4 ft. deep, 12 lks wide drains N 60° W.

73.50 Wood road bears N 30° E & S 30° W.

80.00 Set an iron post 3 ft. long, 3 in. diam. 24 in in ground for cor. of secs. 19, 24, 25 & 30 marked on brass cap
T 26 S on N half
R 10 W S 24 in NW
R 9 W S 19 in NE
S 30 in SE
S 25 in SW, quadrant; dig pits 18 X 18 X 12 in in each sec. 5½ ft. dist; & raise a mound of earth 4 ft. base, 2 ft. high W of cor.
Land, gently rolling bench.
Soil, brown clay loam, 4 to 24 in. deep

fine texture, moist, on clay subsoil
Growth of small sagebrush & white sage.
No timber

Dec. 21, 1910.

Jan. 7, 1911 At 8h 6m a.m. l.m.t. I set off 38°32' N on the lat. arc; 22°24' S on the decl. arc; & determine a true meridian with the solar at the cor. of secs. 19, 24, 25 & 30.
Thence I run
North bet. secs. 19 & 24.
Over gently rolling land through white sage.
16.00 Wash 4 ft. deep, 12 lks wide drains N 40° W.
40.00 Set an iron post 3 ft. long, 1 in. diam. 26 in. in ground for 1/4 sec. cor. marked on brass cap 1/4 S 24 on W half; S 19 on E half; dig pits 18 X 18 X 12 in N & S of post, 3 ft. dist; & raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high W of cor.
80.00 Set an iron post, 3 in. diam. 3 ft. long, 24 in in ground for cor. of secs, 13, 18, 19 & 24 marked on brass cap
T26S on N half
R10W S 13 in NW
R9W S 18 in NE
S 19 in SE
S 24 in SW, quadrant; dig pits 18 X 18 X 12 in. in each sec. 5 1/2 ft. dist; & raise a mound of earth 4 ft. base 2 ft. high, W of cor.
Land, gently rolling.
Soil, clay loam 10 to 14 in. deep, fine texture, moist, on clay subsoil.
Growth of white sage.
No timber.

North bet. secs. 13 & 18.
Over level land through white sage.
40.00 Set an iron post 3 ft. long, 1 in. diam. 26 in. in ground for 1/4 sec. cor. marked on brass cap 1/4 S 13 on W half; S 18 on E half;

dig pits 18X18X12 in N & S of post, 3 ft. dist; & raise a mound of earth 3½ ft. base, 1½ ft. high W of cor.

46.75 Wood road bears E & W.

80.00 Set an iron post 3 ft. long, 3 in. diam. 24 in. in ground for cor. of secs. 7, 12, 13 & 18 marked on brass cap

T26S on N half
R10W S12 in NW
R9W S7 in NE
S18 in SE
S13 in SW, quadrant; dig pits 18X18X12 in. in each sec. 5½ ft. dist; & raise a mound of earth 4 ft. base, 2 ft. high, W of cor.

Sand, level.

Soil, good brown clay loam, 10 to 18 in. deep fine texture, moist, on clay subsoil.

Growth of white sage.

No timber.

North bet. secs. 7 & 12.

Over gently rolling land through white sage.

36.00 Leave white sage; enter shadscale bears N60°E & S60°W.

40.00 Set an iron post 3 ft. long, 1 in. diam. 26 in in ground for ¼ sec. cor. marked on brass cap ¼ S12 on W half; S7 on E half; dig pits 18X18X12 in N & S of post 3 ft. dist; & raise a mound of earth 3½ ft. base, 1½ ft. high W of cor.

80.00 Set an iron post, 3 ft. long; 3 in. diam. 24 in. in ground for cor. of secs. 1, 6, 7 & 12 marked on brass cap

T26S on N half
R10W S1 in NW
R9W S6 in NE
S7 in SE
S12 in SW, quadrant; dig pits 18X18X12 in. in each sec. 5½ ft. dist; & raise

a mound of earth 4 ft. base, 2 ft high, W of cor.
Sand, gently rolling sloping SW.
Soil, brown clay loam, 6 to 16 in. deep, fine texture, moist, on clay subsoil.
Growth of white sage & shadscale.
No timber.
Jan 7, 1911. At this cor. I set off 22°25' S on the ~~dect~~ arc; and at 12 h 6 m. p.m. l. m. t. observe the sun on the meridian the resulting lat. is 38°35' N.

North bet. secs. 1 & 6.
Over gently rolling land through shadscall.
40.00 Set an iron post 3 ft. long, 1 in. diam. 26 in. in ground for 1/4 sec. cor., marked on brass cap 1/4 S1 on W half; S6 on E half; dig pits 18X18X12 in. N & S of post, 3 ft. dist. & raise a mound of earth 3 1/2 ft. base 1 1/2 ft. high W of cor.
43.00 Wash 4 ft. deep, 15 lks. wide drains S 70° W.
44.25 Wood road bears N 60° E & S 60° W.
83.03 Intersect 5th Standard Parallel S, 3.50 chs. W (S. 89°41') of SC of Tps 25 S Rs 9 & 10 W
Set an iron post 3 ft. long, 3 in. diam, 24 in. in ground for closing cor. of Tps 26 S Rs 9 & 10 W marked on brass cap,
CC T25S R9W R10W 53/S36 on N half
T26S on S half
R9W S6 in SE
R10W S1 in SW, quadrant; dig pits 30X 24X12 in, crosswise on each line E & W 4 ft, & S of ~~post~~ 8 ft. dist; & raise a mound of earth 5 ft. base, 2 1/2 ft. high S of cor.
Sand, gently rolling.
Soil, brown clay loam, 3 to 12 in. deep medium texture, moist, on clay subsoil.
Growth of shadscale.
No timber.

Jan 7, 1911.
John W. Dougall
U. S. Transitman

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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 John W. Dougall Transitman, United States ~~Deputy Surveyor~~, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of the East and resurvey of the West bdys. of T. 2 6 S. R. 9 W. S.L.B.& M., Utah; showing the respective capacities in which they acted:

George W. Daniel, *Chainman.*
Willis Whitmore, *Chainman.*
William B. Clark, *Moundman.*
, *Moundman.*
, *Axman.*
, *Axman.*
Ernest Harmer, *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted John W. Dougall Transitman, United States ~~Deputy Surveyor~~, in surveying all those parts or portions of the East bdy and resurvey of the West bdy. of T. 2 6 S. R. 9 W of the Salt Lake Base & meridian, State of Utah, which are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said 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.

George W. Daniel, *Chainman.*
Willis Whitmore, *Chainman.*
William B. Clark, *Moundman.*
, *Moundman.*
, *Axman.*
, *Axman.*
Ernest Harmer, *Flagman.*

Subscribed and sworn to before me this twentieth day of Jan 1911, ~~190~~

SEAL

Stanley Staten
Notary Public

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FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, John W. Dougall, United States ~~Deputy Surveyor~~ Transitman, d solemnly swear that, in pursuance of a ~~contract~~ special instructions received from Thomas Hull United States Surveyor General for Utah, bearing date of th 6th day of August, 1910, ~~190~~, I have well, faithfully, and truly, in my ow proper person, and in strict conformity with the instructions furnished by the United States Surveyo General for Utah, the Manual of Surveying Instructions, and the laws of th United States, surveyed all those parts or portions of the East, and resurvey of the West boundary of Township 26 South, Range 9 West

of the Salt Lake Base and meridian, in the State of Utah, which are represented in th foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnl swear that all the corners of said survey have been established and perpetuated in strict accordance wit the Manual of Surveying Instructions, and the special written instructions of the United States Surveyo General for Utah and in the specific manner described in the field notes, and tha the foregoing are the original field notes of such survey.

John W. Dougall
~~United States Deputy Surveyor~~
United States Transitman

Subscribed by said John W. Dougall, and sworn to before me this 17 day of April, 1912, ~~190~~

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

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, Sept. 16, 1913., ~~190X~~

The foregoing field notes of the survey of the East, and resurvey of the West Boundary of Township No. 26 South, Range No. 9 West of the Salt Lake Base and Meridian, Utah,

executed by John W. Dougall under his ~~contract No.~~ special instructions, dated August 6, 1910, ~~190~~, having bee critically examined, and the necessary corrections and explanations made, the said field notes, and th 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-381

J.

FIELD NOTES

OF THE SURVEY OF THE

Subdivision

of

Township No. 26 South, Range No. 9 West

Of the Salt Lake Base and Meridian,

Utah.

AS SURVEYED BY

John W. Dougall, United States ~~Deputy Surveyor~~ Transitman,

Under his ~~Contract~~ Assignment Group No. 5, dated Aug. 6, 1910, ~~190~~

Survey commenced Dec 7, 1910, ~~190~~

Survey completed Jan. 12, 1911, ~~190~~

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58-78-L 0' Long. 13.27'

FILED 387

FEB 12, 1912

BOOK A-381

NAMES AND DUTIES OF ASSISTANTS.

George W Daniel chainman
Willis Whitmore chainman
William B Clark moundman
Ernest Harmer flagman

BOOK A-381

INDEX DIAGRAM.

Township 26 South, *Range* 9 West

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PRELIMINARY OATHS OF ASSISTANTS.

~~We,~~ George W. Daniel and Willis Whitmore

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

the subdivision of Township 26 S., R. 9 W., S.L.B.& M., Utah.

George W. Daniel, Chainma

Willis Whitmore, Chainma

Subscribed and sworn to before me this First day of Dec 1910, 190

SEAL

John W. Dougall
U. S. Transitman

~~We,~~ I, William B. Clark and

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

the subdivision of Township 26 South, R.9 W., S.L.B.& M., Utah.

William B Clark, Moundma

, Moundma

Subscribed and sworn to before me this First day of Dec 1910, 190

SEAL

John W. Dougall
U. S. Transitman

We, and

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

, Axma

, Axma

Subscribed and sworn to before me this day of , 190

SEAL

I, Ernest Harmer, do solemnly swear that I will well and tru perform the duties of flagman according to instructions given me, to the best of my skill and ability, in t survey of the subdivision of Township 26 S., R. 9 W. S.L.B.& M., Utah.

Ernest Harmer Flagma

Subscribed and sworn to before me this First day of Dec 1910, 190

SEAL

John W. Dougall
U. S. Transitman

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Subdivision T26S R9W

Survey commenced Dec. 7, 1910, and executed with a W & L. E Gurley light mountain transit, no number, with solar attachment.

Knowing my instrument is in perfect adjustment from recent observations on Polaris.

Dec. 7, 1910, At 8h 51m a.m. l. m. t. I set off 38°30' N on the lat. arc; 22°32' S on the decl arc, and determine a meridian with the solar at the cor. of secs. 1, 2, 35 & 36 on S. bdy. of Tp. heretofore described. Thence I run N0°01' W bet. secs. 35 & 36.

Ascend over mountainous land through huge granite rocks.

6.00 Spur 200 ft. above cor. proj. N 80° W.

Enter scattering mahogany, bears E & W.

18.00 Head of draw, 100 ft. below spur, drains W.

22.00 Spur 90 ft. above draw, proj. W, descend.

40.00 Set an iron post, 3 ft. long, 1 in. diam. 26 in. in ground, for 1/4 sec. cor. marked on brass cap 1/4 S 35 on W half; S 36 on E half, from which

A mahogany tree, 5 in. diam. bears N 42° E, 2.58 chs. dist. marked 1/4 S 36 B J

A mahogany tree, 4 in. diam. bears N 42° W, 92 lks dist. marked 1/4 S 35 B J

This cor. is 500 ft. below spur, thence gentle descent

45.00 Leave mahogany bears N 80° W & S 80° E.

58.00 Draw drains S 80° W

69.00 Low spur 60 ft. above draw proj. S 80° W.

73.00 Draw 75 ft. below spur, drains S 80° W

77.00 Enter scattering cedar bears N 70° W & S 70° E.

80.00 Set an iron post 3 ft. long 2 in. diam. 24 in. in ground for cor. of secs. 25, 26, 35 & 36, marked on brass cap

T 26 S S 26 in NW

R 9 W S 25 in NE

Subdivision T26S R9W

Chains.	
	S 36 in SE
	S 35 in SW, quadrant; from which
	A cedar tree 7in. diam. bears
	N 10° E, 1.19 chs. dist. marked
	T26S R9W S25 B J
	A cedar tree, 8in. diam. bears.
	N 56° W, 2.20 chs. dist. marked
	T26S R9W S26 B J
	Raise a mound of stone, 2 ft. base, 1½ ft. high W of cor. No other bearing trees within limits.
	Dec. 7, 1910, At this cor. I set off 22°34' S on the decl. arc; and at 11h 51m W.mn.T. l. m. t. observe the sun on the meridian. the resulting lat. is 38°31' N.
	S. 40.00 chs. broken mountainous land.
	Ridges & slopes covered with large granite boulders & small ledges.
	Draws washed & stony.
	N. 40.00 chs rolling bench land sloping W.
	Soil; light, brown, sandy loam; 1 to 2 ft. deep, coarse texture; moist; on clay subsoil.
	Timber; cedar & scrubby mahogany.
	Mountainous land 40.00 chs.
	East on random line bet. secs. 25 & 36.
40.00	Set temp ¼ sec. cor.
80.18	Intersect E bdy. of Tp. 19 lks. N. of cor. of secs. 25, 30, 31 & 36, heretofore described
	Thence I run
	N 89°52' W on a true line bet. secs. 25 & 36.
	Descend abruptly over broken mountainous land through scrubby mahogany timber
8.00	Foot of abrupt descent 200 ft. below cor. bears N & S, thence gentle descent
39.20	Draw 500 ft. below cor. drains S 80° W
40.09	Set an iron post 3 ft. long, 1in. diam. 26in. in ground for ¼ sec. cor. marked on brass cap ¼ S25 on N half; S36 on S half; dig pits 18x18x12 in. E & W of post, 3 ft. dist, & raise a mound of earth 3½ ft. base, 1½ ft high N of cor.

Subdivision T26 S R9W

56.00 Mouth of draw drains S40°W.
76.50 Point of rocky spur 170 ft. above draw proj. S50°W; enter scattering cedar bears N70°W & S70°E.
80.18 The cor. of secs. 25, 26, 35 & 36.
This mile is broken and hilly.
Ridges with coarse sandy loam, washed on slopes.
Valleys with good brown clay loam, on clay and decomposing granite subsoil.
Timber, cedar & mahogany.
Mountainous land 80.18 chs.

Dec 7, 1910. At 2 h 51 m. p.m. l.m.t. I set off 38°31' N on the lat. arc; 22°34' S on the decl. arc; and determine a meridian with the solar at the cor. of secs. 25, 26, 35 & 36.
Thence I run
N 0°01' W bet. secs. 25 & 26.
Ascend through scattering cedar over stony broken mountainous land.
6.50 Spur 120 ft. above cor. proj. N80°W; leave scattering cedar bears N80°E & S80°W.
15.00 Draw 200 ft. below cor. drains S30°W 6.00 chs. thence S.
17.00 Abrupt ascent; enter cedar & pinion and large rocks bears N60°W.
28.00 Top of abrupt ascent; point of rocky spur 500 ft. above draw proj. S60°W.
39.50 Draw 175 ft. below spur drains S60°W, ascend
40.00 Set an iron post 3 ft. long, 1 in. diam. 26 in. in ground for 1/4 sec. cor. marked on brass cap 1/4 S 26 on W half; S 25 on E half; from which
A cedar tree, 8 in. diam. bears
S54°E, 14 lks. dist. marked
1/4 S 25 B J
A pinion tree, 16 in. diam. bears
S88°W, 72 lks. dist. marked
1/4 S 26 B J
48.50 Spur 450 ft. above draw, proj. N50°W, descend.
80.00 Set an iron post, 3 ft. long, 2 in. diam. 24 in

in ground, for cor. of secs. 23, 24, 25 & 26
marked on brass cap
T26S S23 in NW
R9W S24 in NE
S25 in SE
S26 in SW quadrant; from which
A pinion tree, 7 in. diam. bears
N 33° E, 83 lks. dist. marked
T26S R9W S24 BJ
A cedar tree, 6 in. diam. bears
S 41° E, 60 lks. dist. marked
T26S R9W S25 BJ
A pinion tree, 14 in. diam. bears
S 31° W, 49 lks. dist. marked
T26S R9W S26 BJ
A pinion tree, 10 in. diam. bears
N 53° W, 88 lks. dist. marked
T26S R9W S23 BJ
This mile is high broken mountainous land
All ridges are covered with huge rocks & boulders
Timber cedar & pinion.
Mountainous land 80.00 chs.

Dec. 7, 1910.

Dec. 9, 1910. At 8h 52m a.m. l.m.t. I set off 38°32' N on the lat. arc; 22°45' S on the decl. arc; and determine a true meridian with the solar at the cor. of secs. 23, 24, 25 & 26.
S 89°52' E on random line bet. secs. 24 & 25.
40.00 Set temp 1/4 sec. cor.
80.12 Intersect E. bdy. of Tp. 9 lks. S. of cor. of secs. 19, 24, 25 & 30, hereinafter described.
Thence I run
N 89°56' W on true line bet. secs. 24 & 25
Descend over broken mountainous land.
.50 Draw 40 ft. below cor. drains N 40° W.
1.00 Enter scrubby mahogany bears N 60° W & S 60° E.
8.00 Spur 125 ft. above draw proj. N 50° W.
17.00 Draw 175 ft. below spur, drains N 40° W.

Subdivision T26 S R9W.

27.00 Spur 200 ft. above draw, proj. N 20° W
35.00 Draw, 190 ft. below spur, drains N 20° W.
39.75 Spur 150 ft. above draw, proj. N 30° W
40.06 Set an iron post 3 ft. long 1 in. diam. 26 in. in ground for 1/4 sec. cor. marked on brass cap 1/4 S 24 on N half; S 25 on S half; raise a mound of stone 2 ft. base 1 1/2 ft. high, W. of cor. Pits impracticable.
45.50 Draw 210 ft. below spur, drains N 10° W.
62.00 Enter cedar & pinion timber, bears N 80° W & S 80° E.
64.00 Spur 150 ft. above draw proj. N 10° W.
69.00 Draw 175 ft. below spur, drains N 10° W.
80.12 The cor. of secs. 23, 24, 25 & 26.
This mile is broken & hilly.
Soil; sandy loam on decomposing granite subsoil.
Timber; cedar, pinion & mahogany.
Mountainous land 80.12 chs.

N 0° 01' W bet. secs. 23 & 24.
Descend over broken mountainous land through cedar & pinion timber.
4.00 Foot of abrupt descent bears N 70° W & S 70° E. Leave cedar & pinion (heavy) enter scattering cedar & pinion & sagebush bears E & W.
20.00 Draw 300 ft. below cor. drains W.
40.00 Set an iron post 3 ft. long, 1 in. diam. 26 in. in ground for 1/4 sec. cor. marked on brass cap 1/4 S 23 on W half; S 24 on E half; from which
A cedar tree, 4 in. diam. bears
S 21° E, 38 lks dist. marked
1/4 S 24 B J
A cedar tree 5 in. diam. bears
S 75° W, 2.03 chs. dist. marked
1/4 S 23 B J
42.50 Spur 150 ft. above cor. proj. W; leave scattering cedar & pinion bears E & W
52.00 Draw 190 ft. below spur drains W, thence across gently rolling land sloping W.
80.00 Set an iron post 3 ft. long, 2 in. diam. 24

in. in ground for cor. of secs. 13, 14, 23 & 24
marked on brass cap
T26S S14 in NW
R9W S13 in NE
S24 in SE
S23 in SW quadrant; dig pits 18 x 18
x 12 in. in each sec. 5½ ft. dist; and raise
a mound of earth 4 ft. base 2 ft. high
W of cor.
S 52.00 chs. broken & hilly.
Ridges with good sandy loam.
Valleys with rich brown sandy loam
on clay & decomposing granite subsoil
N 28.00 chs. high gently rolling land
sloping W.
Soil; rich brown sandy loam, 3 ft. deep
medium texture; moist; on clay subsoil.
Thick growth of small sagebrush.
Timber; cedar & pinion.
Dec. 9, 1910. At this cor. I set off 22°47' S on the
decl. arc; and at 11 h 52 m a.m. L. m. t. observe
the sun on the meridian the resulting
lat. is 38°33' N.

S 89°56' E on random line bet. secs. 13 & 24.
40.00 Set temp. ¼ sec. cor.
80.00 Intersect E. bdy. of Tp. 9 lks. S. of cor. of
secs. 13, 18, 19 & 24, heretofore described
Thence I run
West on true line bet. secs. 13 & 24.
Descend gently through oak brush over
gently rolling land.
8.00 Leave oak brush bears N 70° E & S 70° W.
Enter sagebrush.
8.50 Wash 10 ft. deep, 40 lks. wide, comes from
N 70° E. drains N 70° W.
40.00 Set ave mon post 3 ft. long, 4 in. diam. 26 in.
in ground for ¼ sec. cor. marked on brass
cap ¼ S13 on N half; S24 on S half; from which
a lone maple tree, 5 in. diam. bears
N 45° E. 24 lks. dist. marked

1/4 S13 B J
A lone maple tree, 6 in diam. bears
S 45° E, 42 lks. dist. marked
1/4 S 24 B J
44.25 Wash in small hollow drains N 60° W.
80.00 The cor. of secs. 13, 14, 23 & 24.
This whole mile is high gently rolling
bench land, sloping W.
Soil; rich brown sandy loam 3 ft. deep
medium texture; moist; on clay subsoil
No timber; oak & sagebrush.
Dec. 9, 1910.

Dec. 10, 1910. At 9h 53m. a. m. l. m. t. I set off
38°33' N on the lat. arc; 22°52' S on the decl.
arc; and determine a meridian with the
solar at the cor. of secs. 13, 14, 23 & 24.
Thence I run
N 0°01' W bet. secs. 13 & 14.
Over rolling land through sagebrush.
15.00 Wash 12 ft. deep, 1.00 ch. wide
22.00 Point of spur 100 ft. high, proj. W; small
granite ledge 60 ft. high 100 ft. E of line
36.00 Enter scattering cedar bears N 60° E & S 60° W.
37.00 Wash 14 ft. deep, 60 lks. wide, drains S 60° W.
110.00 Set an iron post 3 ft. long, 1 in. diam. 26 in.
in ground for 1/4 sec. cor. marked on brass
cap 1/4 S 14 on W half; S 13 on E half; from which
A cedar tree, 6 in. diam. bears
S 5° E, 3.21 chs. dist. marked
1/4 S 13 B J
A cedar tree, 4 in. diam. bears
S 65° W, 81 lks. dist. marked
1/4 S 14 B J
74.00 Leave scattering cedar bears E & W.
76.00 Spur 200 ft. high proj. S 45° W.
80.00 Set an iron post 3 ft. long, 2 in. diam. 24 in
in ground for cor. of secs. 11, 12, 13 & 14
marked on brass cap
T26 S S11 in NW

Subdivision T 26 S R 9 W

Trans. R 9 W S 12 in NE
S 13 in SE
S 14 in SW, quadrant; raise a mound of stone 2 ft. base, 1½ ft. high, W of cor.
Pits impracticable.
This cor. is 100 ft. below spurs.
S 70.00 chs. rolling bench land sloping W.
Soil; rich brown sandy loam, 1 to 3 ft. deep medium texture; moist; on clay subsoil.
N 10.00 chs. broken & hilly.
Ridges with light sandy loam, washed on slopes; stony.
Valleys with rich brown sandy loam with some gravel, on clay subsoil.
Timber; scattering cedar. Good growth of sagebrush.

E on random line bet. secs. 12 & 13.
40.00 Set temp. ¼ sec. cor.
80.10 Intersect E. bdy. of Tp. 35 lks. S of cor. of secs. 7, 12, 13, & 18. hereto fore described.
Dec. 10, 1910. At this cor. I set off 22° 53' S 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 38° 34' N.
Thence I run
S 89° 47' W on a true line bet. secs. 12 & 13.
Over broken mountainous land along steep S. slope, descend.
22.00 Small draw on S. slope 180 ft. below cor. drains S 10° W.
27.00 Enter scattering cedar and sagebrush. bears N 40° E & S 40° W.
40.05 Set an iron post 3 ft. long, 1 in. diam. 26 in. in ground for ¼ sec. cor. marked on brass cap ¼ S 12 on N half, S 13 on S half; from which
A cedar tree, 12 in. diam. bears
S 43° W, 1.45 chs. dist. marked
¼ S 13 B.T.
A cedar tree, 8 in. diam. bears

Subdivision T26 S R9W

Trains	N 49° W, 75 lks. dist. marked 1/4 S 12 B J
48.00	Draw on S. slope 100 ft. deep drains S 10° W.
60.00	Leave scattering cedar, bears N 60° E & S 60° W.
73.00	Spur 120 ft. above draw proj. S 40° W
80.10	The cor. of secs. 11, 12, 13 & 14.
	This mile is broken & hilly with steep S slope. Soil; generally poor sandy loam; stony; on gravel & stone subsoil. Timber; cedar. Good growth of sagebrush. Dec 10, 1910.
	Dec. 16, 1910. At 8h 55m. a. m. l. m. t. I set off 38° 34' N on the lat. arc; 23° 16' S on the decl. arc; and determine a true meridian with the solar at the cor. of secs. 11, 12, 13 & 14. Thence I run N 0° 01' W bet. secs. 11 & 12 Over gently ascending land.
20.00	Begin very abrupt ascent through granite boulders, bears E & W.
31.00	Enter scattering cedar & pinion timber bears N 70° W & S 70° E.
39.00	Spur 1000 ft. above cor. proj. W
40.00	Set an iron post 3 ft. long, 1 in. diam. 26 in. in ground for 1/4 sec. cor. marked on brass cap 1/4 S 11 on W half; S 12 on E half; from which A pinion tree, 12 in. diam. bears N 32° E, 31 lks. dist. marked 1/4 S 12 B J A pinion tree, 6 in. diam. bears N 27° W, 6 lks. dist. marked 1/4 S 11 B J
42.00	Leave scattering; enter heavy timber, E & W.
59.75	Draw 500 ft. below spur drains N 60° W.
70.00	Leave cedar & pinion, bears N 60° W, & S 60° E.
80.00	Set an iron post 3 ft. long, 2 in. diam. 24 in. in ground for cor. of secs. 1, 2, 11 & 12 marked on brass cap T 26 S S 2 in NW

Subdivision T26 S R9W.

Chains	
	R9W S1 in NE
	S12 in SE
	S11 on SW, quadrant; raise a mound of stone 2 ft. base, 1½ ft. high, W. of cor.
	Pits impracticable.
	S 20.00 chs. gently rolling land along foot of mountains. S slope.
	Soil; rich brown sandy loam, 4 to 24 in. deep; coarse texture; moist; on clay subsoil.
	Good growth of sagebrush.
	N 60.00 chs rough mountainous land; broken & stony; washed on slopes.
	Timber cedar & pinion.
	On account of heavy fog solar observations impossible
	N 89° 47' E on random line bet. secs 1 & 12.
40.00	Set temp ¼ sec. cor.
80.07	Intersect E. bdy. of Tp. at the cor. of secs. 1, 6, 7 & 12, heretofore described.
	Thence I run
	S 89° 47' W on true line bet. secs 1 & 12
	Over broken mountainous land through scattering cedar & pinion timber.
4.00	Leave timber bears N 60° E & S 60° W.
23.50	Ridge 900 ft. above cor. bears N & S; enter scattering cedar & pinion and thick scrubby mahogany bears N & S.
38.00	Draw 600 ft. below ridge, drains N 50° W
40.03½	Set an iron post 3 ft. long, 1 in diam. 26 in. in ground for ¼ sec. cor. marked on brass cap ¼ S1 on N half; S12 on S half; from which
	A pinion tree, 16 in. diam. bears N 45° E, 83 lks. dist. marked ¼ S 1 B J
	A pinion tree, 6 in. diam. bears S 19° E, 50 lks. dist. marked ¼ S 12 B J
56.00	Spur 800 ft. above draw, proj. N. 40° W.
68.00	Head of draw 350 ft. below spur drains N 45° W.

Subdivision T 26 S R 9 W.

Chains	
71.00	Leave cedar, pinion & mahogany bears N 45° W & S 45° E.
74.50	Spur 250 ft. above draw proj. N 70° W.
80.07	The cor. of secs. 1, 2, 11 & 12.
	This mile is high broken mountainous land.
	Soil on some ridges coarse sandy loam; others covered with huge stones, washed on slopes; stony
	Timber; cedar, pinion & scrubby mahogany.
	Mountainous land 80.07 chs.
	Dec. 16, 1910.
	Jan. 6, 1911. at 9h 06m. a.m. l. m. t. I set off 38° 35' N on the lat. arc; 22° 32' S on the decl. arc; and determine a meridian with the solar at the cor. of secs. 1, 2, 11 & 12.
	Thence I run
	N 0° 01' W bet. secs. 1 & 2
	Ascend over small ledges & rough mountainous land.
6.00	Spur 150 ft. above cor. proj. N 70° W.
9.00	Enter scattering cedar & pinion timber bears N 60° W & S 60° E.
11.00	Draw 175 ft. below spur drains N 50° W.
32.00	Spur 150 ft. above draw proj. N 40° W
38.00	Leave scattering cedar & pinion bears E & W.
40.00	Set an iron post 3 ft. long, 1 in. diam. 2 6 in. in ground for 1/4 sec. cor. marked on brass cap 1/4 S 2 on W half; S 1 on E half; from which
	A pinion tree 6 in. diam. bears N 25° E, 1.20 chs. dist. marked 1/4 S 1 B T
	A pinion tree, 10 in. diam. bears N 70° W, 6.46 chs. dist. marked 1/4 S 2 B T
	This cor. is 700 ft. below spur.
48.00	Draw 200 ft. below cor. drains N 45° W.
61.50	Spur 250 ft. above draw proj. N 55° W
76.00	Draw 220 ft. below spur, drains N 70° W

Subdivision T 26 S R 9 W

Chains

78.00 Enter scattering cedar, bears E & W
81.85 Intersect 5th Standard Parallel S 2.40chs. W. of S.C. of secs. 35 & 36 which is a granite 12 x 6 x 4 in. above ground, firmly set marked & witnessed as described by the Surveyor General
Set an iron post 3 ft. long, 2 in. diam. 24 in. in ground for closing cor. of secs. 1 & 2 marked on brass cap
CC T 25 S R 9 W S 35 S 36 on N half
S 1 in SE
S 2 in SW quadrant; from which
A cedar tree, 5 in. diam. bears S 40° E, 78 lks. dist. marked
CC T 26 S R 9 W S 1 B J
A cedar tree, 5 in. diam. bears S 50° W, 68 lks. dist. marked
CC T 26 S R 9 W S 2 B J
This mile is broken and rough mountainous land.
Soil is a clay loam; stony; washed on slopes.
Timber; cedar & pinion.
Mountainous or timbered land 81.85 chs.
Jan 6, 1911.

Dec. 8, 1910. At 7h. 52m. a.m. l.m.t. I set off 38°30' N on the lat. arc; 22°37' S on the decl. arc; and determine a meridian with the solar at the cor. of secs. 2, 3, 34 & 35, on S. bdy. of Tp. heretofore described
From this cor. W S & M No 1 bears N 44°05' W
From this cor. buildings at Roosevelt Hot Springs, belonging to P. B. McKean are as follows
N.E. cor. of house over Hot Spring bears N 61°58' W
NW cor. of rock hen house bears N 60°51' W
N gable of bath house bears N 59°22' W.

Subdivision T26S R9W

Chains	
	N gable of dwelling house bears N56°45'W.
	E gable of rock cellar bears N56°10'W.
	Thence I run
	N0°01'W bet. secs. 34 & 35
	Descend over stony mountainous land
	through scattering cedar timber.
20.00	Draw 350 ft. below cor. drains N60°W.
34.79	Low spur 90 ft. above draw prog. N60°W.
	From this point WS & M No1 bears S23°19'W.
	Buildings at Roosevelt Hot Springs belonging to P. B. McKean are as follows—
	NE cor. of house over Hot Spring bears
	S57°35'W.
	NW cor. of rock hen house bears S58°35'W.
	N gable of bath house bears S63°22'W.
	N gable of dwelling house bears S66°W.
	E gable of rock cellar bears S64°53'W.
	As is noted above, house over spring gives
	location of a small spring of hot salt water.
40.00	Set an iron post 3 ft. long, 1 in. diam. 26 in.
	in ground for 1/4 sec. cor. marked on brass
	cap 1/4 S34 on W half; S35 on E half; from which
	A cedar tree 6 in. diam bears
	S70°30'E, 2.09 chs. dist. marked
	1/4 S35 B J
	A cedar tree, 7 in. diam. bears
	N70°30'W, 2.16 chs. dist. marked
	1/4 S34 B J
	Thence across rolling land sloping W
	through sagebrush.
74.00	Draw 75 ft. deep drains S80°W.
80.00	Set an iron post 3 ft. long, 2 in. diam. 24
	in. in ground for cor. of secs. 26, 27, 34 & 35
	marked on brass cap
	T26S S27 in NW
	R9W S26 in NE
	S35 in SE
	S34 in SW, quadrant; from which
	A cedar tree, 7 in. diam. bears
	N21°E, 1.89 chs. dist. marked

Subdivision T26S R9W

Chains	
	T26S R9W S26 BJ
	A cedar tree, 8 in. diam. bears
	S 79° E, 83 lks. dist. marked
	T26S R9W S35 BJ
	A cedar tree, 8 in. diam. bears
	S 54° W, 1.82 chs dist. marked
	T26S R9W S34 BJ
	A cedar tree, 6 in. diam. bears
	N 24° 30' W, 2.95 chs. dist. marked
	T26S R9W S27 BJ
	S 40.00 chs. broken & hilly; stony on ridges washed on slopes; valleys with rich brown sandy loam on clay subsoil.
	N 40.00 chs. rolling benchland sloping W. Soil; rich brown sandy loam 10 to 20 in. deep; fine texture; moist; on clay subsoil. Good growth of sagebrush & some grass. Timber cedar.
	Mountainous land 40.00 chs.
	Dec. 8, 1910. At this cor. I set off 22°41' S on the decl. arc; and at 11 h 52 m. m. t. observe the sun on the meridian the resulting lat. is 38° 31' N.
	East on random line bet. secs. 26 & 35.
40.00	Set temp 1/4 sec. cor.
79.96	Intersect N & S line 12 lks N. of cor. of secs. 25, 26, 35 & 36.
	Thence I run
	N 89° 55' W on true line bet. secs. 26 & 35.
	Over broken stony mountainous land through scattering cedar & sagebrush.
	Descend
5.00	Draw 120 ft. below cor. drains S.
9.00	Point of spur 150 ft. above draw prog. S
39.98	Set an iron post 3 ft. long 1 in. diam. 26 in. in ground for 1/4 sec. cor. marked on brass cap 1/4 S26 on N half; S35 on S half; from which
	A cedar tree, 6 in. diam. bears
	S 16° E, 2.66 chs. dist. marked

Subdivision T 26 S R 9 W

Chains	
	1/4 S 35 B J
	A cedar tree 7 in. diam. bears
	N 24° 30' W, 3.57 chs. dist. marked
	1/4 S 26 B J
49.00	Draw or hollow drains S 80° W; ascend gently.
78.00	Low spur on south slope, proj. S.
79.96	The cor. of secs. 26, 27, 34 & 35.
	Almost all of the N half of sec. 35 can be cultivated.
	This mile is broken & hilly.
	Soil; light sandy loam on decomposing granite subsoil.
	Good growth of sagebrush.
	Timber; cedar.
	Dec. 8, 1910. At 2 h 52 m. p. m. l. m. t. I set off 38° 31' N on the lat. arc; 22° 41' S on the decl. arc and determine a true meridian with the solar at the cor. of secs. 26, 27, 34 & 35.
	Thence I run
	N 0° 01' W bet. secs. 26 & 27.
	Ascend over rolling mountainous land through scattering cedar timber & sagebrush.
7.50	Spur 225 ft. above cor. proj. S 85° W.
25.00	Draw 310 ft. below spur drains W.
28.00	Foot of abrupt ascent bears E & W; thence through huge granite boulders.
39.00	Leave cedar timber; bears E & W.
40.00	Set an iron post 3 ft. long 1 in. diam. 26 in. in ground for 1/4 sec. cor. marked on brass cap 1/4 S 27 on W half; S 26 on E half; from which
	A cedar tree, 4 in. diam. bears
	S 7° 30' E, 1.05 chs. dist. marked
	1/4 S 26 B J
	A cedar tree, 8 in. diam. bears
	S 57° W, 1.89 chs. dist. marked
	1/4 S 27 B J.
48.50	Top of spur 300 ft. above draw proj. W, descend abruptly.
60.00	Foot of abrupt descent; leave boulders bears

Chains

bears E & W, thence across gently rolling land.

80.00 Set an iron post 3 ft. long, 2 in. diam. 24 in. in ground for cor. of secs. 22, 23, 26 & 27 marked on brass cap

T 26 S S 22 in NW
R 9 W S 23 in NE
S 26 in SE
S 27 in SW, quadrant; from which
A lone cedar tree, 12 in. diam. bears
S 60° 30' W, 5.42 chs. dist. marked
T 26 S R 9 W S 27 B T
A lone cedar tree, 8 in. diam. bears
N 81° W, 3.94 chs. dist. marked
T 26 S R 9 W S 22 B T

Dig pits 18 x 18 x 12 in. in each sec. 5½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high, W of cor. No other bearing trees within limits.

S 60.00 chs. broken & hilly; ridges and slopes, stony; valleys with rich brown sandy loam; on clay & decomposing granite subsoil.

N 20.00 chs rolling bench land sloping W. Soil; rich brown sandy loam 3 ft. deep medium texture; moist; on clay subsoil. Good growth of sagebrush & some grass. Timber; cedar.

Mountainous land 60.00 chs.

Dec. 8, 1910

Dec. 9, 1910. At 2h 52m. p.m. l.m.t. I set off 38° 32' N on the lat. arc; 22° 47' S on the decl. arc; and determine a true meridian with the solar at the cor. of secs. 22, 23, 26 & 27.

S 89° 55' E on random line bet. secs. 23 & 26.

40.00 Set temp. ¼ sec. cor.

80.00 Intersect N & S line 12 lks. S of cor. of secs. 23, 24, 25 & 26.

Thence I run

West on true line bet. secs. 23 & 26

Over steep N slope, through cedar & pinion

Subdivision T 26 S R 9 W

Chains

4.00 Spur 75 ft. above cor. proj. N 10° W.
10.00 Leave cedar & pinion, bears N 20° E & S 20° W.
16.00 Head of draw 150 ft. below spur drains N.W.
33.00 Point of rocky spur 200 ft. above draw, proj. N 40° W; thence abrupt descent.
40.00 Set an iron post 3 ft. long, 1 in. diam. 26 in. in ground for 1/4 sec. cor. marked on brass cap 1/4 S 23 on N half; S 26 on S half; raise a mound of stone 2 ft. base, 1 1/2 ft. high, N of cor. Pits impracticable.
48.00 Foot of abrupt descent bears N & S, thence gentle descent; enter thick sagebrush.
80.00 The cor. of secs. 22, 23, 26 & 27.
E 48.00 chs broken & mountainous.
Stony on ridges & slopes; draws washed.
W 32.00 chs rolling bench land sloping W.
Soil; rich brown sandy loam 2 to 3 ft. deep medium texture; moist; on clay subsoil.
Good growth sagebrush; some grass.
Timber: cedar & pinion.
Mountainous land 48.00 chs.

Dec. 9, 1910

Dec. 10, 1910. At 7 h 53 m. a. m. l. m. t. I set off 38° 32' N on the lat. arc; 22° 49' S on the decl. arc; and determine a meridian with the solar at the cor. of secs. 22, 23, 26 & 27.
Thence I run
N 0° 01' W bet. secs. 22 & 23.
Over gently rolling land through sagebrush.
20.00 Enter cedar timber bears N 10° E & S 10° W.
40.00 Set an iron post 3 ft. long 1 in. diam. 26 in. in ground for 1/4 sec. cor. marked on brass cap 1/4 S 22 on W half; S 23 on E half; from which
A cedar tree, 12 in. diam. bears
S 59° E, 65 lks. dist. marked
1/4 S 23 B J
A cedar tree, 8 in. diam. bears
N 83° W, 1.53 chs. dist. marked
1/4 S 22 B J

Subdivision T 26 S R 9 W.

Chains	
71.75	Wash 10 ft. deep 50 lks wide drains N 60° W.
80.00	Set an iron post 3 ft. long, 2 in. diam. 24 in. in ground for cor. of secs. 14, 15, 22 & 23 marked on brass cap T 26 S S 15 in NW R 9 W S 14 in NE S 23 in SE S 22 in SW, quadrant; from which A cedar tree, 10 in. diam. bears N 7° E, 68 lks. dist. marked T 26 S R 9 W S 14 B T A cedar tree, 10 in. diam. bears S 64° E, 1.70 chs. dist. marked T 26 S R 9 W S 23 B T A cedar tree, 12 in. diam. bears S 47° W, 2.20 chs. dist. marked T 26 S R 9 W S 22 B T A cedar tree, 6 in. diam. bears N 43° W, 4.07 chs. dist. marked T 26 S R 9 W S 15 B T This mile is rolling bench land sloping W. Soil; rich brown sandy loam 2 to 4 ft deep medium texture; moist; on clay subsoil. Good growth of sagebrush; sparse growth of grass. Timber cedar.
	East on random line bet. secs. 14 & 23.
40.00	Set temp. 1/4 sec. cor.
80.16	Intersect N & S line 21 lks. S of cor. of secs. 13, 14, 23 & 24. Thence I run S 89° 51' W on true line bet. secs. 14 & 23. Over gently rolling land sloping W, through sagebrush.
40.08	Set an iron post 3 ft. long, 1 in. diam. 26 in. in ground for 1/4 sec. cor. marked on brass cap 1/4 S 14 on N half; S 23 on S half; dig pits 18 x 18 x 12 in. E & W of post 3 ft. dist. & raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high

Subdivision T26S R9W.

	N of cor.
54.00	Enter cedar timber bears N40°E & S40°W.
80.16	The cor of secs. 14, 15, 22 & 23.
	This mile is rolling land sloping W.
	Soil: rich brown sandy loam, 2 to 4 ft. deep
	medium texture; moist; on clay subsoil.
	Good growth of sagebrush.
	Timber; cedar
	Dec. 10, 1910. At 1h 53m p.m. l.m.t. I set off
	38°33' N on the lat. arc; 22°53' S on the decl. arc,
	and determine a true meridian with the solar
	at the cor. of secs. 14, 15, 22 & 23
	Thence I run
	N 0°01' W bet. secs. 14 & 15.
	Over gently rolling land, through cedar
	timber & sagebrush.
3.00	Wash 8 ft. deep 25 lks. wide drains W.
21.00	Wash 10 ft. deep 40 lks. wide drains N80°W.
35.15	Wood road bears E & W.
40.00	Set an iron post 3 ft. long, 1 in. diam. 26 in.
	in ground for 1/4 sec. cor. marked on brass
	cap 1/4 S 15 on W half; S 14 on E half; from which
	A cedar tree, 12 in. diam. bears
	S 65° E, 11 lks. dist. marked
	1/4 S 14 B J
	A cedar tree, 7 in. diam. bears
	N 60° W, 20 lks. dist. marked
	1/4 S 15 B J
	Thence ascend over stony mountainous land
62.00	Top of spur 250 ft. above the cor. proj. S70°W
	Enter pinion among cedar.
70.00	Head of draw, 100 ft. below spur drains W.
75.00	Spur 200 ft. above draw proj. W.
79.00	Head of draw 100 ft. below spur, drains W.
80.00	Set an iron post 3 ft. long, 2 in. diam. 24 in.
	in ground for cor. of secs. 10, 11, 14 & 15,
	marked on brass cap
	T 26 S S 10 in NW
	R 9 W S 11 in NE

S 14 in SE.
S 15 in SW, quadrant; from which
A pinion tree, 10 in. diam. bears
N 20° E, 55 lks. dist. marked
T26S R9W S11 B J
A pinion tree, 16 in. diam. bears
S 7° E, 40 lks. dist. marked
T26S R9W S 14 B J
A pinion tree 14 in. diam. bears
S 8° W, 1.40 chs. dist. marked
T26S R9W S 15 B J
A cedar tree, 16 in. diam. bears
N 36° W, 1.03 chs. dist. marked
T26S R9W S 10 B J
S 40.00 chs. gently rolling land sloping W.
Soil; rich brown sandy loam 2 to 4 ft.
deep; medium texture; moist; on clay
subsoil. Good growth of sagebrush &
sparse growth of grass
N 40.00 chs. broken, stony & hilly.
Ridges; stony; draws; washed & stony.
Timber, cedar & pinion.
Mountainous or timbered land 80.00 chs.

N 89° 51' E on random line bet. secs. 11 & 14
40.00 Set temp 1/4 sec. cor.
80.18 Intersect N & S line 7 lks N of cor. of secs.
11, 12, 13 & 14.
Thence I run
S 89° 54' W on true line bet. secs. 11 & 14
Over rolling mountainous land along S
slope, descend gently through sagebrush.
20.00 Enter scattering cedar timber bears N 40° E
and S 40° W.
211.00 Draw 100 ft below cor. drains S 35° W.
40.07 Set an iron post 3 ft. long, 1 in. diam. 26 in.
in ground for 1/4 sec. cor. marked on brass
cap 1/4 S 11 on N half; S 14 on S half; from which
A cedar tree, 4 in. diam. bears
North, 1.15 lks. dist marked 1/4 S 11 B J

Subdivision T26 S R 9 W

A cedar tree, 7in. diam. bears
S 20° E, 1.30 chs. dist. marked
1/4 S 14 B J

50.00 Spur 175 ft. above draw proj. S 35° W.
52.00 Head of draw 100 ft. below spur drains S 35° W
Entire pinion among cedar.
68.00 Spur 150 ft. above draw proj. S 58° W.
80.18 The cor. of secs. 10, 11, 14 & 15.
E 40.00 chs. rolling land sloping S.
Soil; poor sandy loam; stony; 4 to 14 in deep
on decomposing granite subsoil.
Good growth sagebrush.
W 40.00 chs. broken & hilly.
Stony on slopes & ridges; boulders in draws.
Timber cedar & pinion.

Dec. 10, 1910

Dec. 17, 1910. On account of heavy fog, solar
observations impossible.
N 0° 01' W bet. secs. 10 & 11
Over broken mountainous land through
cedar & pinion timber
3.75 Spur 80 ft. above cor. proj. N 80° W.
10.50 Draw 225 ft. below spur drains N 80° W.
37.00 Spur 175 ft. above draw proj. N 80° W. Desc.
40.00 Hollow. drains S 80° W.
Set an iron post 3 ft. long, 1 in. diam. 26
in. in ground for 1/4 sec. cor. marked on
brass cap 1/4 S 10 on W half; S 11 on E half; from which
A cedar tree, 8 in. diam. bears
N 10° E, 57 lks. dist. marked
1/4 S 11 B J
A cedar tree, 7 in. diam. bears
N 40° W, 45 lks. dist. marked
1/4 S 10 B J
61.50 Granite ledge 100 ft. high bears E & W.
68.00 Spur 500 ft. above 1/4 cor. proj. W.
80.00 Set an iron post 3 ft. long, 2 in. diam. 24 in
in ground for cor. of secs. 2, 3, 10 & 11,
marked on brass cap
T 26 S S 3 in NW

Subdivision T26S R9W

R9W S2 in NE
S11 in SE
S10 in SW quadrant; from which
A cedar tree 10 in. diam. bears
N 75° E, 74 lks. dist. marked
T26S R9W S2 B T
A cedar tree, 8 in. diam. bears
S 60° E, 44 lks. dist. marked
T26S R9W S11 B T
A cedar tree 8 in. diam. bears
S 24° W, 75 lks. dist. marked
T26S R9W S10 B T
A cedar tree, 11 in. diam. bears
N 67° W, 119 chs. dist. marked
T26S R9W S3 B T
This cor. is 400 ft. below spur.
This mile is broken mountainous land sloping W.
Ridges & slopes; stony & washed
Valleys have poor sandy loam on decomposing granite subsoil.
Timber; cedar & pinion.
Mountainous or timbered land 80.00 chs.

N 89° 54' E on random line bet. secs. 2 & 11.
40.00 Set temp. 1/4 sec. cor.
80.20 Intersect N & S line 9 lks. N. of cor. of secs. 1, 2, 11 & 12.
Thence I run
S 89° 58' W on true line bet. secs. 2 & 11.
Over rough broken, mountainous land
Descend abruptly.
12.00 Small draw on S. slope, 400 ft. below cor. drains S 10° W
16.00 Small spur on S. slope 75 ft. above draw proj. S into scattering cedar & pinion bears N 40° W & S 40° E.
30.00 Draw 500 ft below spur drains N 60° W.
40.10 Set an iron post 3 ft. long, 1 in. diam. 26 in. in ground for 1/4 sec. cor. marked on brass

cap 1/4 S 2 on N half; S 11 on S half;
from which
A pinion tree, 10 in. diam. bears
N 60° E, 1.12 chs. dist. marked
1/4 S 2 B J
A pinion tree, 6 in. diam. bears
S 76° E, 47 lks. dist. marked
1/4 S 11 B J
Thence along steep N. slope.
80.20 The cor. of secs. 2, 3, 10 & 11.
This whole mile is broken and mountainous.
Almost no soil; washed & stony on slopes.
Ledges on spurs and boulders in draws.
Timber; cedar & pinion
Mountainous land 80.00 chs.
Dec. 17. 1910.

Jan 6, 1911. At the cor. of secs. 2, 3, 10 & 11
I set off 22° 32' S on the decl. arc;
and at 12 h 6 m p.m. l. m. t. observe the
sun on the meridian the resulting
lat. is 38° 35' N.
Thence I run
N 0° 01' W bet. secs. 2 & 3.
Over broken mountainous land
through cedar & pinion timber.
19.00 Leave heavy; enter scattering cedar
and pinion timber bears N 40° W & S 40° E
21.50 Draw 325 ft. below cor. drains N 60° W.
37.00 Point of rocky spur 350 ft. above draw
proj. N 80° W.
40.00 Set an iron post 3 ft. long 1 in. diam.
26 in. in ground for 1/4 sec. cor. marked
on brass cap 1/4 S 3 on W half; S 2 on E half
from which

Subdivision T26S R9W

A pinion tree, 6 in. diam. bears S 18° E, 1.32 chs. dist. marked 1/4 S 2 B J
A cedar tree, 8 in. diam. bears N 59° W, 77 lks. dist. marked 1/4 S 3 B J

49.00 Foot of descent; enter rolling land bears N 80° W & S 80° E.

81.82 Intersect 5th Standard Parallel S at 2.69 chs N 89°54' W of S C of secs. 34 & 35, cor. before described.
Set an iron post 3 ft. long, 2 in. diam. 24 in. in ground for closing cor. of secs. 2 & 3 marked on brass cap
CC T25S R9W S34 S35 on N half
S 2 in SE
S 3 in SW, quadrant; from which,
A cedar tree, 10 in. diam. bears S 48° 45' E, 7.60 chs. dist. marked CC T26S R9W S2 B J
A cedar tree, 16 in. diam. bears S 37° 30' W, 8.33 chs. dist. marked CC T26S R9W S3 B J
S 49.00 chs. is rough, broken and hilly land.
Ridges and slopes are washed and stony with small granite and quartzite stone outcroppings.
N 32.82 chs. is rolling bench land sloping W.
Soil, light, brown, sandy loam 6 to 20 in. deep, coarse texture, moist, on gravel, clay and granite subsoil.
Timber cedar & pinion.
Mountainous or timbered land 49.00 chs.

Jan. 6, 1911.

Subdivision T26S R9W.

Dec. 12, 1910. At 7h 54m a.m. l.m.t. I set off 38°30' N on the lat. arc; 22°59' S on the decl. arc; & determine a true meridian with the solar at the cor of secs. 3, 4, 33 & 34 on S bdy of T. (should be descended.)
Thence I run
N 0°02' W bet. secs. 33 & 34.
Over rolling bench land sloping W, through cedar timber & sagebrush; descend.

10.50 Old wood road bears N 80° W & S 80° E.
11.00 Bottom of Hot Spring Wash, 100 ft. deep drains N 80° W.
27.00 N. bank of Hot Spring Wash bears N 80° W & S 80° E.
38.00 Wood road, bears N 70° W & S 70° E.
40.00 Set an iron post 3 ft. long, 1 in. diam. 26 in. in ground for 1/4 sec. cor. marked on brass cap 1/4 S 33 on W half; S 34 on E half; from which
A cedar tree, 7 in. diam. bears S 25° E, 51 lks. dist. marked 1/4 S 34 B J
A cedar tree 6 in. diam. bears S 81° W, 1.20 chs. dist. marked 1/4 S 33 B J
From this cor. a small spring of salt water bears N 88° 51' E, 35.40 chs. dist.
NW cor. of P. B. Mc Kears fence bears N 84°52' E, 34.10 chs.
70.00 Wash 10 ft. deep 30 lks wide drains N 75° W.
72.00 Leave cedar, bears E & W.
74.50 Wash 6 ft. deep 20 lks wide drains W.
80.00 Set an iron post 3 ft. long, 2 in. diam. 24 in. in ground, for cor. of secs. 27, 28, 33 & 34, marked on brass cap
T 26 S S 28 in NW
R 9 W S 27 in NE
S 34 in SE

S 33 in SW, quadrant; dig pits 18x18x12 in. in each sec, 5½ ft. dist; & raise a mound of earth 4 ft. base, 2 ft. high, W of cor.
S 27.00 chs. broken & hilly; slopes washed. Valleys & spurs with poor sandy loam 4 to 8 in. deep, coarse texture; moist; on clay subsoil.
N 53.00 chs. rolling bench land sloping W. Soil, rich brown sandy loam, 4 to 14 in. deep, coarse texture, moist, on clay subsoil. Good growth of sagebrush & sparse growth of grass.
Timber cedar.

E. on random line bet. secs. 27 & 34
40.00 Set temp. ¼ sec. cor.
80.25 Intersect N & S line 7 lks. S of cor. of secs. 26, 27, 34 & 35.
Thence I run
S 89° 57' W on true line bet. secs. 27 & 34.
Over stony mountainous land, through scattering cedar & sagebrush; descend.
32.00 Draw 200 ft. below cor, drains N 70° W.
40.12½ Set an iron post 3 ft. long 1 in. diam. 26 in. in ground, for ¼ sec. cor. marked on brass cap ¼ S 27 on N half; S 34 on S half; from which
A cedar tree, 12 in. diam. bears S 70° 30' E, 2.30 chs. dist. marked ¼ S 34 B T
A cedar tree, 5 in. diam. bears N 11° E, 1.72 chs. dist. marked ¼ S 27 B T
51.15 Road Ranch Canyon to Antelope Springs bears N & S.
60.00 Leave scattering cedar bears N 70° E & S 70° W.
80.25 The cor. of secs. 27, 28, 33 & 34
E. 32.00 chs. broken & hilly.
Slopes & ridges, washed & stony.
Valleys with rich sandy loam on clay

and granite subsoil.
W 48.25 chs. rolling bench land sloping W.
Soil; rich brown clay loam, 4 to 30 in.
deep, fine texture; moist; on clay subsoil.
Good growth sagebrush & some grass.
Timber; cedar.
Mountainous land 32.00 chs.

Sky is overcast & solar observations
impossible.
N 0° 02' W bet. secs. 27 & 28.
Over rolling bench land through sage-
brush.
6.00 Wood road bears NE & SW.
17.00 Wood road bears N 80° W & S 80° E.
25.00 Wash 15 ft. deep 1.00 ch wide drains W.
36.00 Enter scattering cedar bears E & W.
39.00 Leave same.
40.00 Set an iron post 3 ft long, 1 in. diam. 26
in in ground for 1/4 sec. cor. marked on brass
cap 1/4 S 28 on W half; S 27 on E half; from which
A cedar tree, 5 in. diam. bears
S 20° E, 1.06 chs. dist. marked
1/4 S 27 B J
A cedar tree, 5 in. diam. bears
S 1° 30' W. 1.00 ch. dist. marked
1/4 S 28 B J
80.00 Set an iron post 3 ft. long, 2 in. diam. 24
in. in ground for cor. of secs. 21, 22, 27 &
28 marked on brass cap,
T 26 S S 21 in NW
R 9 W S 22 in NE
S 27 in SE
S 28 in SW, quadrant; dig pits
18 x 18 x 12 in. in each sec. 5 1/2 ft. dist; &
raise a mound of earth 4 ft. base 2 ft.
high W of cor.
This mile is gently rolling bench land
sloping W.
Soil; good brown sandy loam, 3 to 6 ft.

deep; fine texture; moist; on clay subsoil.
Good growth sagebrush.
Timber; cedar.

N.89°57'E on random line bet. secs. 22 & 27
40.00 Set temp. 1/4 sec. cor.
80.18 Intersect N & S line 9 lks. N. of cor. of secs. 22, 23, 26 & 27
Thence I run
N 89°59' W on true line bet. secs. 22 & 27.
Over gently rolling land sloping W, through sagebrush.
12.00 Enter scattering cedar bears N 30°E & S 30°W.
40.09 Set an iron post 3 ft. long, 1 in. diam. 26 in. in ground for 1/4 sec. cor. marked on brass cap 1/4 S 22 on N half; S 27 on S half; from which
A cedar tree 6 in. diam bears
N 11°E, 1.56 chs. dist. marked
1/4 S 22 B J
A cedar tree, 8 in. diam. bears
S 34°W, 3.51 chs dist. marked
1/4 S 27 B J
41.25 Road, Ranch Canyon to Antelope Springs bears N & S.
42.00 Leave scattering cedar bears N 20°E & S 20°W.
80.18 The cor. of secs. 21, 22, 27 & 28.
This mile is gently rolling bench land sloping W.
Soil; brown sandy loam, 4 to 40 in. deep, medium texture; moist; on clay subsoil.
Good growth of sagebrush.
Timber, cedar.

N 0°02' W bet. secs. 21 & 22.
Over gently rolling bench land sloping W, through sagebrush.
36.75 Enter plowed ground bears E & W.
40.00 Set an iron post 3 ft. long, 1 in. diam. 26 in. in ground for 1/4 sec. cor. marked on brass cap 1/4 S 21 on W half; S 22 on E half; dig pits

Subdivision T26S R9W

Chains	
	18x18x12 in. N & S of post 3 ft. dist.; raise a mound of earth 3½ ft. base, 1½ ft. high W. of cor.
43.75	Leave plowed ground bears E & W
80.00	Set an iron post 3 ft. long, 2 in. diam. 24 in. in ground for cor. of secs. 15, 16, 21 & 22, marked on brass cap
	T26S S16 in NW
	R9W S15 in NE
	S22 in SE
	S21 in SW, quadrant; dig pits 18x18x12 in. in each sec. 5½ ft. dist.; & raise a mound of earth 4 ft. base, 2 ft. high, W of cor.
	This mile is rolling bench land sloping W.
	Soil: good brown clay loam, 4 ft. deep, fine texture, moist, on clay subsoil.
	Good growth of sagebrush.
	No timber.
	S 89°59' E on random line bet. secs. 15 & 22.
40.00	Set temp. ¼ sec. cor.
80.14	Intersect N & S line at cor. of secs. 14, 15, 22 & 23
	Thence I run
	N 89°59' W on true line bet. secs. 15 & 22
	Over gently rolling bench land sloping W, through cedar timber & sagebrush.
5.50	Wash 8 ft. deep 40 lks. wide drains N 60° W.
24.00	Leave cedar timber bears N 20° E & S 20° W.
28.70	Road, Ranch Canyon to Antelope Springs bears N & S.
40.07	Set an iron post 3 ft. long, 1 in. diam. 26 in. in ground for ¼ sec. cor. marked on brass cap ¼ S15 on N half; S22 on S half; dig pits 18x18x12 in. E & W of post 3 ft. dist & raise a mound of earth 3½ ft. base 1½ ft. high N of cor.
80.14	The cor. of secs. 15, 16, 21, & 22
	This mile is rolling bench land sloping W.
	Soil, good brown sandy loam, 3 to 5 ft. deep medium texture, moist, on clay subsoil.
	Good growth of sagebrush.
	Cedar timber.

Dec. 12, 1910

Subdivision T26 S R9 W

Dec. 13, 1910. At 3h 24m. p.m. l.m.t. I set off 38°33' N on the lat. arc; 23°06' S on the decl. arc; and determine a true meridian with the solar at the cor of secs. 15, 16, 21, & 22.
Thence I run
N 0°02' W bet. secs. 15 & 16
Over gently rolling land through sagebrush.
38.00 Enter scattering cedar bears E & W.
40.00 Set an iron post 3 ft. long, 1 in. diam. 26 in. in ground for 1/4 sec. cor. marked on brass cap 1/4 S16 on W half; S15 on E half; from which
A cedar tree, 11 in. diam. bears
N 89° E, 5.10 chs. dist. marked
1/4 S 15 B J
A cedar tree, 10 in. diam. bears
S 60° W, 2.56 chs. dist. marked
1/4 S 16 B J
42.25 Wash 3 ft. deep 20 lks. wide drains N 45° W.
44.15 Wood road bears E & W.
48.00 Leave cedar timber bears N 40° W & S 40° E
80.00 Set an iron post 3 ft. long, 2 in. diam. 24 in. in ground for cor. of secs. 9, 10, 15, & 16 marked on brass cap
T 26 S. S 9 in NW
R 9 W S 10 in NE
S 15 in SE
S 16 in SW, quadrant; dig pits 18 x 18 x 12 in in each sec, 5½ ft. dist; and raise a mound of earth 4 ft. base, 2 ft. high, W of cor.
This mile is rolling bench land sloping W.
Soil, good brown clay loam, 3 to 4 ft. fine texture; moist; on clay subsoil.
Good growth sagebrush.
Timber, cedar.

S 89°59' E on random line bet. secs. 10 & 15
40.00 Set temp 1/4 sec. cor.
80.18 Intersect N & S line 16 lks N of cor. of secs 10, 11, 14 & 15
Thence I run
N 89°52' W on true line bet. secs. 10 & 15

Subdivision T26S R9W

Chains	
	Over rolling mountainous land through cedar & pinion timber; descend gently along S slope.
35.00	Leave mountainous land; enter rolling bench land and sagebrush, bears N & S.
36.45	Road, Ranch Canyon to Antelope Springs, bears N&S
40.09	Set an iron post 3 ft. long, 1 in. diam. 26 in. in ground for 1/4 sec. cor. marked on brass cap 1/4 S 10 on N half; S 15 on S half; from which
	A cedar tree 8 in. diam. bears N 58° E, 1.08 chs. dist. marked 1/4 S 10 B J
	A cedar tree, 12 in. diam. bears S 13° E, 1.17 chs. dist. marked 1/4 S 15 B J
59.00	Leave cedar & pinion, bears N 10° W & S 10° E.
79.30	Dirt wood road bears N 60° W & S 60° E.
80.18	The cor. of secs. 9, 10, 15 & 16.
	E 35.00 chs. broken & hilly.
	Soil; coarse sandy loam, very stony, washed on slopes.
	W 45.18 chs. light sandy loam 4 to 30 in. deep, coarse texture, moist, on clay subsoil.
	Good growth of sagebrush.
	Timber, cedar & pinion.
	Mountainous land 35.00 chs.
	Dec. 13, 1910.
	Jan 4, 1911. N 0°02' W bet. secs. 9 & 10
	Over rolling bench land through sagebrush
0.65	Wood road bears N 60° W & S 60° E.
17.00	Wash 10 ft. deep, 20 lks wide drains W.
18.00	Enter scattering cedar bears E & W.
32.60	Wood road bears E & W.
40.00	Set an iron post 3 ft. long, 1 in. diam. 26 in. in ground for 1/4 sec. cor. marked on brass cap 1/4 S 9 on W half; S 10 on E half; from which
	A cedar tree, 8 in. diam. bears S 56° E, 3.75 chs. dist. marked 1/4 S 10 B J

Subdivision T 26 S R 9 W

	A cedar tree, 8 in. diam. bears N 23° W, 2.71 chs. dist. marked 1/4 S 9 B T
45.16	Wood road bears E & W; leave scattering cedar bears E & W.
47.50	Wash 6 ft. deep, 30 lks. wide, drains W.
80.00	Set an iron post 3 ft. long, 2 in. diam. 24 in. in ground for cor. of secs. 3, 4, 9 & 10 marked on brass cap
	T 26 S S 4 in NW
	R 9 W S 3 in NE
	S 10 in SE
	S 9 in SW, quadrant; dig pits 18 x 18 x 12 in. in each sec., 5 1/2 ft. dist.; & raise a mound of earth 4 ft. base, 2 ft. high W of cor.
	This mile is rolling bench land sloping W. Soil good brown sandy loam, 2 to 4 ft. deep, medium texture; moist; on clay subsoil. Good growth of sagebrush.
	Timber, cedar.
	Jan 4, 1911. At this cor. I set off 22° 45' S on the decl. arc; and at 12 h 5 m. p. m. l. m. t. observe the sun on the meridian the resulting lat. is 38° 35' N.
	Jan. 4, 1911.
	Jan 6, 1911. At 3 h 36 m. p. m. l. m. t. I set off 38° 35' N on the lat. arc; 22° 30' S on the decl. arc; and determine a meridian with the solar at the cor. of secs. 3, 4, 9 & 10.
	S 89° 52' E on random line bet. secs 3, & 10.
40.00	Set temp 1/4 sec. cor.
80.30	Intersect N & S line 25 lks. S. of cor. of secs. 2, 3, 10 & 11.
	Thence I run
	S 89° 58' W on true line bet. secs. 3 & 10.
	Over broken stony mountainous land, through cedar & pinion timber; ascend along N slope
5.50	Spur 150 ft. above cor. proj. N 20° W, descend.
22.00	Leave heavy cedar & pinion; enter scattering

cedar bears N 20° W & S 20° E. also begin gentle descent.

40.15 Set an iron post 3 ft. long, 1 in. diam. 26 in. in ground, for 1/4 sec. cor. marked on brass cap 1/4 S 3 on N half; S 10 on S half; from which
A cedar tree, 5 in. diam. bears
N 53° E, 1.83 chs. dist. marked
1/4 S 3 B J
A cedar tree, 16 in. diam. bears
S 67° E, 2.10 chs. dist. marked
1/4 S 10 B J

48.00 Leave scattering cedar; enter sagebrush bears N 70° E & S 70° W.

58.30 Road, Ranch Canyon to Antelope Springs bears N 10° W & S 10° E.

76.55 Enter plowed ground bears N & S.

78.87 Leave same, bears N & S.

80.30 The cor. of secs. 3, 4, 9 & 10.

E 22.00 chs broken mountainous land. Washed & stony.

W 58.30 chs. rolling bench land sloping W. Soil, good brown sandy loam, 4 to 16 in. deep medium texture, moist; on clay & granite subsoil. Good growth of sagebrush.

Timber, cedar & pinion.

Jan. 6, 1911.

Jan. 12, 1911. At 9h 8m a.m. l. m. t. I set off 38° 35' N on the lat. arc; 21° 43' S on the decl. arc; and determine a true meridian with the solar at the cor. of secs. 3, 4, 9 & 10.

Thence I run

N 0° 02' W bet. secs. 3 & 4.

Over gently rolling land through sagebrush.

40.00 Set an iron post 3 ft. long, 1 in. diam. 26 in. in ground for 1/4 sec. cor. marked on brass cap 1/4 S 4 on W half; S 3 on E half; dig pits 18 X 18 X 12 in. N & S of post, 3 ft. dist; & raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high, W of cor.

62.00 Wash 4 ft. deep 20 lks wide, drains N 60° W.

Subdivision T26S R9W

Chains.	
	Large granite boulders on banks of wash.
81.85	Intersect 5th Standard Parallel S 2.95 chs N.89°47' W of SC of secs. 33 & 34, which is a granite 18 x 6 x 6 in. above ground firmly set, marked & witnessed as described by the Surveyor General.
	Set an iron post 3 ft. long, 2 in. diam. 24 in. in ground for closing cor. of secs. 3 & 4 marked on brass cap
	CC T25S R9W S 33 & 34 on N half
	S 3 in SE.
	S 4 in SW, quadrant; dig pits 24 x 18 x 12 in. crosswise on each line, E & W, 3 ft. dist. and S of post, 7 ft. dist; & raise a mound of earth 4 ft. base 2 ft. high, S of cor.
	This mile is rolling bench land sloping W. Soil, good brown sandy loam, 12 to 18 in. deep; medium texture, moist; on clay subsoil. Good growth of sagebrush & sparse growth of grass.
	No timber.
	Jan. 12, 1911.
	Dec. 13, 1910. At 7h 54m a.m. l.m.t. I set off 38°30' N on the lat. arc, 23°04' S on the decl. arc; and determine a true meridian with the polar at the cor. of secs. 4, 5, 32 & 33 on S bdy. of Tp. heretofore described. Thence I run
	N 0°03' W bet. secs. 32 & 33.
	Over gently rolling bench land through scattering cedar timber & sagebrush.
19.00	Leave cedar bears E & W.
20.00	Top of S Bank of Hot Spring wash bears N 80° W & S 80° E.
24.00	Wood road bears N 80° W & S 80° E.
26.00	Bottom of Hot Spring wash 75 ft. deep, drains N 80° W.
35.00	N bank of Hot Spring wash bears N 80° W & S 80° E.
40.00	Set an iron post 3 ft. long, 1 in. diam. 26 in. in ground for 1/4 sec. cor. marked on brass cap

Subdivision T 26 S R 9 W.

Chains	
	1/4 S 32 on W half; S 33 on E half; dig pits 18X18X12 in. N & S of post, 3 ft. dist.; & raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high, W of cor.
50.60	Wood road bears E & W.
80.00	Set an iron post 3 ft. long 2 in. diam. 24 in. in ground for cor. of secs. 28, 29, 32 & 33, marked on brass cap T 26 S S 29 in NW R 9 W S 28 in NE S 33 in SE S 32 in SW, quadrant; dig pits 18X18X12 in. each sec., 5 1/2 ft. dist; and raise a mound of earth 4 ft. base, 2 ft. high, W of cor.
	This mile is gently rolling bench land sloping West.
	Soil, good brown clay loam, 10 to 20 in. deep fine texture; moist; on clay subsoil.
	Good growth of sagebrush.
	Timber cedar.
	East on random line bet. secs. 28 & 33.
40.00	Set temp. 1/4 sec. cor.
79.85	Intersect N & S line 3 lks. N. of cor. of secs. 27, 28, 33 & 34.
	Thence I run
	N 89° 59' W on true line bet. secs. 28 & 33
	Over gently rolling land through sagebrush.
5.10	Wood road bears N 45° E & S 45° W.
19.75	Wash 10 ft. deep, 25 lks. wide, drains N 55° W.
39.92 1/2	Set an iron post 3 ft. long, 1 in. diam. 26 in. in ground for 1/4 sec. cor. marked on brass cap 1/4 S 28 on N half; S 33 on S half; dig pits 18X18X12 in. E & W of post, 3 ft. dist.; & raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high N of cor.
79.85	The cor. of secs. 28, 29, 32 & 33.
	This mile is rolling bench land sloping W.
	Soil, light brown clay loam, 2 to 4 ft. deep fine texture; moist; on clay subsoil.
	Good growth of sagebrush.
	No timber.

Subdivision T 26 S R 9 W

Chains	N 0°03' W bet. secs. 28 & 29.
	Over gently rolling bench land through sagebrush.
24.00	Wash 2 ft. deep, 25 lks wide drains N 70° W.
32.60	Enter plowed ground bears E & W.
34.00	Leave same.
40.00	Set an iron post 3 ft. long, 1 in. diam. 26 in. in ground for 1/4 sec. cor. marked on brass cap 1/4 S 29 on W half; S 28 on E half; dig pits 18 X 18 X 12 in N & S of post, 3 ft. dist; & raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high, W of cor.
40.50	Old wood road bears N 80° W & S 80° E.
69.70	Enter plowed ground bears E & W.
71.35	Leave same
80.00	Set an iron post 3 ft long, 2 in. diam, 24 in. in ground for cor. of secs. 20, 21, 28 & 29 marked on brass cap T 26 S S 20 in NW R 9 W S 21 in NE S 28 in SE S 29 in SW, quadrant; dig pits 18 X 18 X 12 in in each sec. 5 1/2 ft. dist.; & raise a mound of earth 4 ft. base, 2 ft. high, W of cor.
	This mile is rolling bench land sloping W.
	Soil, good brown clay loam, 12 to 18 in. deep fine texture; moist, on clay subsoil
	Good growth of sagebrush.
	No timber.
	S 89° 59' E on random line bet. secs. 21 & 28
40.00	Set temp 1/4 sec. cor.
79.76	Intersect N & S line 3 lks. N. of cor. of secs. 21, 22, 27 & 28.
	Thence I run
	N 89° 58' W on true line bet. secs. 21 & 28
	Over gently rolling land through sagebrush.
39.88	Set an iron post 3 ft. long, 1 in. diam. 26 in. in ground for 1/4 sec. cor. marked on brass cap 1/4 S 21 on N half; S 28 on S half; dig pits 18 X 18 X 12 in E & W of post, 3 ft. dist; & raise a mound

Subdivision T26S R9W.

Chains	
	of earth 3½ ft. base, 1½ ft. high N of cor.
79.76	The cor. of secs. 20, 21, 28 & 29.
	This mile is rolling bench land sloping W
	Soil; good brown clay loam, 2 to 3 ft. deep,
	fine texture; moist; on clay subsoil
	Good growth sagebrush.
	No timber.
	Dec. 13, 1910. At this cor. I set off 23°07' S 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 38°32' N.
	N 0°03' W bet. secs. 20 & 21.
	Over gently rolling land through sagebrush
20.75	Wash 4 ft. deep 20 lks wide bears N 45° W.
40.00	Set an iron post 3 ft. long 1 in. diam. 26 in. in
	ground for ¼ sec. cor. marked on brass cap
	¼ S 20 on W half; S 21 on E half; dig pits 18X18X12
	in N & S. of post, 3 ft. dist.; & raise a mound of
	earth 3½ ft. base, 1½ ft. high, W. of cor.
80.00	Set an iron post 3 ft. long, 2 in. diam. 24 in.
	in ground for cor. of secs. 16, 17, 20 & 21 marked
	on brass cap
	T26S S17 in NW
	R9W S16 in NE
	S21 in SE
	S20 in SW, quadrant; dig pits 18X18X12
	in each sec. 5½ ft. dist; & raise a mound of
	earth 4 ft. base 2 ft. high, W of cor.
	This mile is rolling bench land sloping W.
	Soil, good brown clay loam, 3 ft. deep; fine
	texture; moist; on clay subsoil.
	Good growth of sagebrush.
	No timber.
	S 89°58' E on random line bet. secs. 16 & 21.
40.00	Set temp. ¼ sec. cor.
79.88	Intersect N & S line 5 lks N of cor of secs. 15, 16
	21 & 22.
	Thence I run

Subdivision T 26 S R 9 W.

Chains.	
	N 89°56' W on true line bet. secs. 16 & 21.
	Over gently rolling land through sagebrush.
39.94	Set an iron post 3 ft. long, 1 in. diam. 26 in. in ground for 1/4 sec. cor. marked on brass cap 1/4 S 16 on N half; S 21 on S half; dig pits 18 X 18 X 12 in E & W of post, 3 ft. dist; & raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high, N. of cor.
79.88	The cor. of secs. 16, 17, 20 & 21.
	This mile is rolling bench land sloping W.
	Soil, good brown clay loam, 3 ft. deep, fine texture; moist, on clay subsoil.
	Good growth of sagebrush.
	No timber.
	Dec. 13, 1910.
	Jan 4. 1911. At 9h 5m. a. m. l. m. t. I set off 38°33' N on the lat. arc; 22°45' S on the decl. arc; and determine a true meridian with the solar at the cor. of secs. 16, 17, 20 & 21.
	Thence I run
	N 0°03' W bet. secs. 16 & 17.
	Over gently rolling bench land sloping W through sagebrush.
12.00	Wash 8 ft. deep 30 lks. wide, drains S 40° W.
13.00	S. end of a narrow strip of plowed ground, 1.00 ch. W of line, is 50 lks. wide; extends N 4° E.
40.00	Set an iron post 3 ft. long, 1 in. diam. 26 in. in ground, for 1/4 sec. cor. marked on brass cap 1/4 S 17 on W half; S 16 on E half; dig pits 18 X 18 X 12 in N & S of post, 3 ft. dist; & raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high W of cor.
48.10	Wood road bears E & W.
70.00	Enter plowed ground bears N 4° E & S 4° W.
80.06	Set an iron post 3 ft. long, 2 in. diam. 24 in. in ground for cor. of secs. 8, 9, 16 & 17, marked on brass cap.
	T 26 S S 8 in NW
	R 9 W S 9 in NE
	S 16 in SE
	S 17 in SW, quadrant; dig pits 18 X 18 X 12

Chains	
	in in each sec. 5½ ft. dist; & raise a mound of earth 4 ft. base, 2 ft. high, W of cor. This mile is rolling bench land sloping W. Soil, good brown clay loam, 6 to 20 in. deep, fine texture, moist, on clay subsoil. Good growth of sagebrush. No timber.
	S 89°56' E on random line bet. secs. 9 & 16.
40.00	Set temp ¼ sec. cor.
79.94	Intersect N & S line 10 lks N of cor. of secs. 9, 10, 15 & 16.
	Thence I run
	N 89°52' W on true line bet. secs. 9 & 16.
	Over gently rolling bench land sloping W, through sagebrush.
36.00	Wash 4 ft. deep, 20 lks. wide, drains N 40° W.
37.00	Enter scattering cedar bears N 60° W & S 60° E.
39.97	Set an iron post 3 ft. long, 1 in. diam. 26 in. in ground for ¼ sec. cor. marked on brass cap ¼ S 9 on N half; S 16 on S half; from which
	A cedar tree, 10 in. diam bears S 78° E, 4.45 chs. dist. marked ¼ S 16 B J
	A cedar tree 7 in. diam. bears N 19° W, 1.86 chs. dist. marked ¼ S 9 B J.
47.00	Leave scattering cedar bears N 10° W & S 10° E.
49.90	Wash 5 ft. deep, 20 lks. wide, drains N 40° W.
79.50	Enter plowed ground bears N 4° E & S 4° W.
79.94	The cor. of secs. 8, 9, 16 & 17.
	This mile is rolling bench land sloping W. Soil, good brown clay loam, 2 to 3 ft. deep, fine texture, moist, on clay subsoil. Good growth of sagebrush. Timber, cedar.
	Jan. 4, 1911. At 2 h 5 m. p. m. l. m. t. I set off 38°34' N on the lat. arc; 22°45' S on the decl. arc; and determine a true meridian with

Subdivision T26 S R9W.

Chains.	the solar at the cor. of secs. 8, 9, 16 & 17
	Thence I run
	N 0°03' W bet. secs. 8 & 9
	Over gently rolling land through plowed ground.
20.00	Leave plowed ground; enter sagebrush bears N 4° E & S 4° W; [illegible] sagebrush.
20.25	Wash 12 ft. deep, 40 lks. wide drains N 80° W.
40.00	Set an iron post 3 ft. long, 1 in. diam. 26 in. in ground for 1/4 sec. cor. marked on brass cap 1/4 S 8 on W half; S 9 on E half; dig pits 18 x 18 x 12 in N & S of post, 3 ft. dist; & raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high, W of cor.
72.00	Wood road bears N & S.
80.00	Set an iron post, 3 ft. long, 2 in. diam. 24 in. in ground for cor. of secs. 4, 5, 8 & 9, marked on brass cap
	T26 S S 5 in NW
	R9W S 4 in NE
	S 9 in SE
	S 8 in SW, quadrant; dig pits 18 x 18 x 12 in. in each sec. 5 1/2 ft. dist; & raise a mound of earth 4 ft. base, 2 ft. high, W of cor.
	This mile is rolling bench land sloping W. Soil, good brown clay loam, 10 to 24 in. deep, fine texture, moist, on clay subsoil. Fair growth of sagebrush. No timber.
	S 89°52' E on random line bet. secs 4 & 9
40.00	Set temp 1/4 sec. cor.
79.90	Intersect N & S line 3 lks S. of cor. of secs. 3, 4, 9 & 10.
	Thence I run
	N 89°53' W on true line bet. secs. 4 & 9.
	Over gently rolling bench land sloping W through sagebrush.
18.50	Wash 3 ft. deep, 15 lks wide, drains S 80° W.
39.95	Set an iron post 3 ft. long, 1 in. diam. 26 in. in ground for 1/4 sec. cor. marked on brass cap 1/4 S 4 on N half; S 9 on S half; dig pits 18 x 18 x 12

Subdivision T26 S. R9W.

Chains.	
	in E & W of post, 3 ft. dist; & raise a mound of earth 3½ ft. base 1½ ft. high N of cor.
77.30	Enter plowed ground bears N 4° E & S 4° W.
78.00	Leave same.
79.70	Wash 6 ft. deep, 40 lks wide, drains N 60° W.
79.90	The cor. of secs. 4, 5, 8 & 9.
	This mile is rolling bench land, sloping W.
	Soil, good brown clay loam, 1 to 2 ft. deep fine texture, moist, on clay subsoil.
	Good growth of sagebrush.
	No timber.
	Jan. 4, 1911.
	Jan 12, 1911. At 10 h 38 m. a. m. l. m. t. I set off 38° 35' N on the lat. arc; 21° 43' S on the decl. arc; and determine a true meridian with the solar at the cor. of secs. 4, 5, 8 & 9.
	Thence I run
	N 0° 03' W bet. secs. 4 & 5.
	Over gently rolling land through sagebrush.
.50	Wash 4 ft. deep, 40 lks wide drains N 60° W.
40.00	Set an iron post 3 ft long, 1 in. diam 26 in. in ground for ¼ sec. cor. marked on brass cap ¼ S 5 on W half; S 4 on E half; dig pits 18 X 18 X 12 in. N & S of post, 3 ft. dist; & raise a mound of earth 3½ ft. base, 1½ ft. high, W of cor.
72.00	Wood road bears N 85° E & S 85° W.
82.10	Intersect 5th Standard Parallel S, 2.79 chs. N 89° 45' W of S.C. for secs 32 & 33, cor before described.
	Set an iron post, 3 ft. long, 2 in. diam 24 in. in ground for closing cor. of secs. 4 & 5 marked on brass cap
	C C T 25 S R 9 W S 32 S 33 on N half
	S 4 in SE
	S 5 in SW, quadrant; dig pits 24 X 18 X 12 in crosswise on line E & W 3 ft. & S of post 7 ft. dist; & raise a mound of earth 4 ft. base 2 ft. high S of cor.
	This mile is rolling bench land sloping W.

Soil, good brown clay loam, 2 to 3 ft. deep
fine texture, moist, on clay subsoil.
Good growth of sagebrush.
No timber.

Jan. 12, 1911.

Dec. 14, 1910. On account of heavy fog, it
is impossible to get solar observations
From cor. of secs. 5, 6, 31 & 32 on S bdy of Tp.
heretofore described, I run
N 0°03' W bet. secs. 31 & 32
Over gently rolling benchland through
small sagebrush.

5.30 Wood road bears N 45° W & S 45° E.

36.00 S. bank of Hot Springwash bears N 70° W & S 70° E.

40.00 Set an iron post 3 ft. long, 1 in. diam. 26 in.
in ground for 1/4 sec. cor. marked on brass cap
1/4 S 31 on W half; S 32 on E half; dig pits 18 x 18
x 12 in N & S of post, 3 ft. dist; & raise a mound
of earth, 3 1/2 ft. base, 1 1/2 ft. high, W of cor.

42.50 Wood road, bears N 70° W & S 70° E.

44.50 Bottom of Hot Springwash 80 ft. deep
drains N 70° W.

51.00 N. bank of Hot Springwash bears N 70° W
& S 70° E.

53.90 Wood road, bears E & W.

80.00 Set an iron post 3 ft. long 2 in. diam. 24 in.
in ground for cor. of secs. 29, 30, 31 & 32
marked on brass cap
T 26 S S 30 in NW
R 9 W S 29 in NE
S 32 in SE
S 31 in SW quadrant; dig pits
18 x 18 x 12 in. in each sec. 5 1/2 ft. dist; &
raise a mound of earth 4 ft. base, 2 ft.
high W of cor.
This mile is rolling benchland sloping W.
Soil, good brown clay loam, 2 ft. deep
fine texture, moist, on clay subsoil.
Good growth of sagebrush.
No timber.

	E. on random line bet. secs. 29 & 32.
40.00	Set temp. 1/4 sec. cor.
80.16	Intersect N & S line 9 lks. N. of cor. of secs 28, 29, 32 & 33.
	Thence I run
	N. 89° 56' W on true line bet. secs. 29 & 32.
	Over gently rolling bench land sloping W, through sagebrush.
7.40	Enter plowed ground bears N & S
7.53	Leave same bears N & S.
40.08	Set an iron post, 3 ft. long, 1 in. diam. 26 in in ground for 1/4 sec. cor. marked on brass cap 1/4 S 29 on N half; S 32 on S half; dig pits 18 X 18 X 12 in. E & W of post, 3 ft. dist; & raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high N of cor.
80.16	The cor. of secs. 29, 30, 31 & 32.
	This mile is rolling bench land sloping W. Soil, good brown clay loam, 12 to 20 in. deep, fine texture, moist, on clay subsoil. Good growth of sagebrush. No timber.
	Dec. 14, 1910.
	Dec. 21, 1910. At 2 h 58 m. p. m. l. m. t. I set off 38° 31' N on the lat. arc; 23° 25' S on the decl. arc; and determine a true meridian with the solar at the cor. of secs. 29, 30, 31 & 32.
	West on random line bet. secs. 30 & 31
40.08	Set temp. 1/4 sec. cor.
81.53	Intersect W bdy of Tp. 35 lks. N. of cor. of secs. 25, 30, 31 & 36, heretofore described
	Thence I run.
	N. 89° 45' E on true line bet. secs. 30 & 31.
	Over gently rolling bench land through sagebrush.
18.00	Wood road bears N 45° W & S 45° E.
26.75	Wood road bears N 45° W & S 45° E.
31.00	W bank of Hot Spring wash bears N 45° W & S 45° E.

38.00 Bottom of Hot Spring wash, 50 ft. deep drains N 45° W.

41.53 Set an iron post 3 ft. long, 1 in. diam. 26 in. in ground for 1/4 sec. cor. marked on brass cap 1/4 S 30 on N half; S 31 on S half; dig pits 18 X 18 X 12 in. E & W of post, 3 ft. dist; & raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high N of cor.

42.25 Wood road bears N & S.

45.50 E bank of Hot Spring wash.

81.53 The cor. of secs. 29, 30, 31 & 32.

This mile is rolling bench land sloping N. W.

Soil, good brown clay loam, 1 to 3 ft. deep; fine texture, moist; on clay subsoil. Good growth of sagebrush & sparse growth of grass.

No timber.

Dec. 21, 1910.

Dec. 14, 1910. On account of heavy fog solar observations impossible.

N. 0° 03' W bet. secs. 29 & 30.

Over gently rolling land through sagebrush

40.00 Set an iron post 3 ft. long 1 in. diam. 26 in. in ground for 1/4 sec. cor. marked on brass cap 1/4 S 30 on W half; S 29 on E half; dig pits 18 X 18 X 12 in N & S of post, 3 ft. dist; & raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high W of cor.

54.50 Wash 3 ft. deep, 10 lks wide, drains N 80° W.

55.10 Wood road bears E & W.

80.00 Set an iron post 3 ft. long, 2 in. diam. 24 in. in ground for cor. of secs. 19, 20, 29 & 30, marked on brass cap,

T 26 S S 19 in NW
R 9 W S 20 in NE
S 29 in SE
S 30 in SW, quadrant; dig pits 18 X 18 X 12 in. in each sec. 5 1/2 ft. dist; & raise a mound of earth 4 ft. base, 2 ft. high W of cor.

Subdivision T26S R9W

This mile is rolling bench land sloping W.
Soil, good brown clay loam 14 to 24 in. deep
fine texture, moist, on clay subsoil.
Fair growth of sagebrush.
No timber.

S 89°56' E on random line bet. secs. 20 & 29.
40.00 Set temp. 1/4 sec. cor.
80.20 Intersect N & S line 7 lks N of cor. of secs. 20, 21
28 & 29.
Thence I run
N 89°53' W on true line bet. secs 20 & 29.
Over gently rolling bench land through
sagebrush.
26.00 Foot of low bench bears N 80° W & S 80° E.
40.10 Set an iron post 3 ft. long, 1 in. diam. 26 in. in
ground for 1/4 sec. cor. marked on brass cap
1/4 S 20 on N half; S 29 on S half; dig pits 18 x 18
x 12 in. E & W of post, 3 ft. dist; & raise a mound
of earth 3 1/2 ft. base, 1 1/2 ft. high, N of cor.
80.20 The cor. of secs. 19, 20, 29 & 30
This mile is gently rolling bench land W slope
Soil, good brown clay loam, 16 to 24 in. deep,
fine texture, moist, on clay subsoil.
Good growth of sagebrush.
No timber.

Dec. 14, 1910.

Dec. 21, 1910. The cor. of secs. 19, 24, 25 & 30, on
W. bdy of Tp. being plainly visible,
I run
S 89°47' W on random line bet. secs. 19 & 30
40.00 Set temp. 1/4 sec. cor.
81.42 Intersect W bdy. of Tp. at the cor. of secs. 19, 24,
25 & 30 heretofore described.
Thence I run
N 89°47' E on true line bet. secs. 19 & 30
Over gently rolling land through white sage.
3.50 Wood road bears N 20° E & S 20° W.
14.80 Wash 3 ft. deep, 10 lks wide, drains N 50° W.

Subdivision T 26 S R 9 W.

41.42 Set an iron post, 3 ft. long, 1 in. diam. 26 in. in ground for 1/4 sec. cor. marked on brass cap 1/4 S 19 on N half; S 30 on S half; dig pits 18 X 18 X 12 in E & W of post, 3 ft dist; & raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high N of cor.

45.40 Wood road, bears N & S.

60.00 Leave white sage: enter sagebrush bears N & S.

81.42 The cor. of secs. 19, 20, 29 & 30.

This mile is rolling land sloping W.

Soil, good brown clay loam, 14 to 20 in. deep fine texture, moist; on clay subsoil.

Sagebrush on E 20.00 chs, white sage on W 61.42 chs.

No timber.

Dec. 21, 1910.

Jan. 9, 1911. At 9 h 7 m. a. m. l. m. t. I set off 38° 32' N on the lat. arc; 22° 10' S on the decl. arc and determine a true meridian with the solar at the cor. of secs. 19, 20, 29 & 30.

Thence I run

N 0° 03' W bet. secs. 19 & 20.

Over gently rolling land through small sagebrush.

40.00 Set an iron post 3 ft. long, 1 in. diam. 26 in. in ground for 1/4 sec. cor. marked on brass cap 1/4 S 19 on W half; S 20 on E half; dig pits 18 X 18 X 12 in. N & S of post 3 ft. dist; & raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high, W of cor.

80.00 Set an iron post 3 ft. long, 2 in. diam. 24 in. in ground for cor. of secs. 17, 18, 19 & 20, marked on brass cap.

T 26 S S 18 in NW

R 9 W S 17 in NE

S 20 in SE

S 19 in SW, quadrant; dig pits 18 X 18 X 12 in. in each sec. 5 1/2 ft. dist; & raise a mound of earth 4 ft. base, 2 ft. high, W of cor.

This mile is rolling land sloping W.

Soil; good brown clay loam, 1 to 2 ft. deep

fine texture; moist; on clay subsoil.
Good growth of small sagebrush.
No timber

S 89° 53' E on random line bet. secs. 17 & 20
40.00 Set temp. 1/4 sec. cor.
80.06 Intersect N & S line 19 lks. S of cor. of secs. 16, 17, 20 & 21.
Thence I run
S 89° 59' W on true line bet. secs. 17 & 20.
Over rolling land through small sagebrush.
110.03 Set an iron post 3 ft. long, 1 in. diam. 26 in. in ground for 1/4 sec. cor. marked on brass cap 1/4 S 17 on N half; S 20 on S half; dig pits 18 X 18 X 12 in E & W of post, 3 ft. dist; raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high, N of cor.
58.00 Wash 5 ft. deep, 15 lks wide, drains N 40° W
80.06 The cor. of secs. 17, 18, 19, & 20.
This mile is rolling land sloping W.
Soil good brown clay loam, 1 to 2 ft. deep, fine texture, moist; on clay subsoil.
Good growth of small sagebrush.
No timber.

Jan. 9, 1911. At this cor. I set off 22° 09' S on the decl. arc; and at 12 h 7 m. p.m. l. m. t. observe the sun on the meridian the resulting lat. is 38° 33' N.
A flag on cor. of secs. 13, 18, 19 & 24 being plainly visible
I run for said cor.
S 89° 50' W on random line bet. secs. 18 & 19.
40.00 Set temp 1/4 sec. cor.
81.35 Intersect W bdy of Tp. at the cor. of secs. 13, 18, 19 & 24, heretofore described.
Thence I run
N 89° 50' E on true line bet. secs. 18 & 19
Over gently rolling land through white sage.
111.35 Set an iron post 3 ft. long, 1 in. diam. 26 in. in ground for 1/4 sec. cor. marked on brass cap

Subdivision T26S R9W.

Course	1/4 S18 on N half; S19 on S half; dig pits 18X18X12 in E & W of post, 3 ft. dist; & raise a mound of earth 3½ ft. base, 1½ ft. high N of cor.
54.35	Foot of low bench bears N & S.
57.00	Top of bench 12 ft. high bears N & S.
61.25	Wood road bears N & S.
63.35	Leave white sage under small sagebrush bears N & S.
81.35	The cor. of secs. 17, 18, 19 & 20.
	This mile is rolling land.
	Soil, good brown clay loam, 10 to 20 in. deep fine texture, moist, on clay subsoil.
	Good growth of white sage & fair growth of sagebrush.
	No timber.
	Jan 9, 1911. At 3 h 7 m. p. m. L. M. T. I set off 38° 33' N on the lat. arc; 22° 08' S on the decl. arc; and determine a true meridian with the solar at the cor. of secs. 17, 18, 19 & 20.
	Thence I run
	N 0° 03' W bet. secs. 17 & 18
	Over gently rolling land sloping W.
12.00	Wash 2 ft. deep, 12 lks. wide drains N 60° W.
38.00	Wash 4 ft. deep, 20 lks. wide drains N 70° W.
1,0.00	Set an iron post 3 ft. long, 1 in diam. 26 in. in ground for 1/4 sec. cor. marked on brass cap 1/4 S18 on W half; S17 on E half; dig pits 18X18X12 in N & S of post, 3 ft. dist; & raise a mound of earth 3½ ft. base, 1½ ft. high; W of cor.
51.25	Wood road bears E & W.
58.00	Set an iron post 3 ft. long, 2 in. diam. 24 in. in ground for cor. of secs. 7, 8, 17 & 18 marked on brass cap
	T26S S7 in NW
	R9W S8 in NE
	S17 in SE
	S18 in SW, quadrant; dig pits 18X18X12 in. in each sec. 3 ft dist; & raise a mound of earth, 4 ft. base, 2 ft. high, W of cor.

Subdivision T26SR9W.

Chains. This mile is gently rolling land sloping W.
Soil, good brown clay loam, 10 to 20 in. deep
fine texture, moist, clay subsoil.
Good growth of small sagebrush.
No timber.

Jan. 9, 1911

Jan 10, 1911. Heavy rain prevents work on this date.
Jan. 10, 1911.

Jan 11, 1911. At 9h 8m. a. m. l. m. t I set off 38°
34' N on the lat. arc; 21°52' S on the decl. arc;
& determine a meridian with the solar at
the cor. of secs. 7, 8, 17 & 18.
Thence I run
N 89°59' E on random line bet. secs. 8 & 17.
40.00 Set temp. 1/4 sec. cor.
80.04 Intersect N & S line 12 lks N of cor of secs. 8, 9, 16 & 17.
Thence I run
N 89°56' W on true line bet. secs. 8 & 17.
Over gently rolling land through plowed ground.
0.20 Leave plowed ground bears N 40° E & S 4° W.
Enter sagebrush.
40.02 Set an iron post 3 ft. long, 1 in. diam. 26 in.
in ground for 1/4 sec. cor. marked on brass
cap 1/4 S 8 on N half; S 17 on S half; dig pits 18 x
18 x 12 in. E & W of post 3 ft. dist; & raise a md.
of earth 3/2 ft. base, 1/2 ft. high N of cor.
80.04 The cor. of secs. 7, 8, 17 & 18.
This mile is rolling land sloping W.
Soil, good brown clay loam 8 to 20 in. deep
moist, on clay subsoil.
Good growth small sagebrush.
No timber.

S 89°50' W on random line bet. secs. 7 & 18.
40.00 Set temp. 1/4 sec. cor.
81.22 Intersect W bdy. Tp. 3 lks S of cor. of secs. 7, 12, 13 & 18.
heretofore described. Thence I run
N 89°51' E on true line bet. secs. 7 & 18.

Subdivision T26S R9W.

Chains.	
	Over gently rolling land through white sage.
41.22	Set an iron post 3 ft. long, 1 in. diam. 26 in. in ground for 1/4 sec. cor. marked on brass cap 1/4 S7 on N half; S18 on S half; dig pits 18x18x12 in. E & W of post 3 ft. dist; & raise a mound of earth 3½ ft. base, 1½ ft. high, N of cor.
70.00	Leave white sage bears N & S.
73.25	Wood road bears N10°E & S10°W.
75.00	Enter plowed ground bears N & S.
79.00	Leave same, N & S. Contains about 20 A. Owner unknown.
81.22	The cor. of secs. 7, 8, 17 & 18.
	This mile is rolling land.
	Soil, good brown clay loam, 10 to 20 in. deep fine texture moist on clay subsoil.
	Good growth of white sage.
	No timber.
	Jan 11, 1911. At this cor. I set off 21°52' S on the decl. arc; & at 12h 8m. l. m. t. observe the sun on the meridian, the resulting lat is 38°34' N.
	N0°03' W bet. secs. 7 & 8.
	Over gently rolling land through scattering growth of sagebrush.
2.00	Enter plowed ground bears E & W.
4.50	Leave same, E & W. Contains about 4 A. Owner unknown.
23.00	Wood road bears N15°E & S15°W.
40.00	Set an iron post 3 ft. long, 1 in. diam. 26 in. in ground for 1/4 sec. cor. marked on brass cap 1/4 S7 on W half; S8 on E half; dig pits 18x18x12 in. N & S of post; 3 ft. dist; & raise a mound of earth 3½ ft. base, 1½ ft. high, W of cor.
52.00	Small knoll 10 ft. high.
64.00	Leave sagebrush; enter white sage bears N10°E & S10°W.
73.00	Road bears E & W.
80.00	Set an iron post 3 ft. long, 2 in. diam. 24 in in ground for cor. of secs. 5, 6, 7 & 8 marked on brass cap T26S S6 in NW R9W S5 in NE S8 in SE S7 in SW, quadrant; dig pits 18x18x12

Subdivision T 26 S R 9 W.

Chains:	in. in each sec. 5½ ft. dist; & raise a mound of earth 4 ft. base, 2 ft. high, W of cor.
	This mile is gently rolling land.
	Soil, good brown clay loam, 4 to 16 in. deep fine texture, moist, on clay subsoil.
	Scattering growth of sagebrush & white sage.
	No timber
	Jan. 11, 1911. At 3 h 8 m. p. m. l. m. t. I set off 38° 35' N on the lat. arc; 21° 50' S on the decl. arc; & determine a true meridian with the solar at the cor. of secs. 5, 6, 7 & 8.
	Thence, I run
	S 89° 56' E on random line bet. secs. 5 & 8.
40.00	Set temp. ¼ sec. cor.
79.90	Intersect N & S line 3 lks S of cor. of secs. 4, 5, 8 & 9.
	Thence I run
	N 89° 57' W on true line bet. secs. 5 & 8.
	Over gently rolling land through scattering growth of sagebrush.
8.00	Wood road bears N 40° W & S 40° E.
39.95	Set an iron post 3 ft. long, 1 in. diam. 26 in. in ground for ¼ sec. cor. marked on brass cap ¼ S 5 on N half; S 8 on S half; dig pits 18 X 18 X 12 in. E & W of post, 3 ft. dist; & raise a mound of earth 3½ ft. base 1½ ft. high, N of cor.
65.60	Wood road bears N 15° E & S 15° W.
72.00	Leave sagebrush; enter white sage bears North 40° E & S 40° W.
76.00	Enter plowed ground, bears N & S.
78.30	Leave same, bears N & S.
79.90	The cor. of secs. 5, 6, 7 & 8.
	This mile is rolling land.
	Soil, good brown clay loam, 1 to 2 ft. deep fine texture, moist, on clay subsoil.
	Scattering growth of sagebrush & white sage.
	No timber
	Jan. 11. 1911.

Subdivision T 26 S R 9 W

Jurine	Jan. 13, 1911. At 2h 8m. p. m. l. m. t. I set off 38°35' N on the lat. arc; 21°41' S on the decl. arc; & determine a true meridian with the solar at the cor. of secs. 5, 6, 7 & 8.
	Thence I run.
	S. 89°51' W on random line bet. secs. 6 & 7
110.00	Set temp. 1/4 sec. cor.
81.10	Intersect W bdy. of Tp 3 lks N of cor. of secs. 1, 6, 7 & 12 heretofore described.
	Thence I run
	N 89°50' E on true line bet. secs. 6 & 7.
	Over gently rolling land through shadscale
4.00	Enter plowed ground bears N 1° E & S 1° W.
7.50	Leave same, bears N 1° E & S 1° W.
35.00	Leave shadscale; enter white sage bears N 45° E & S 45° W.
41.10	Set an iron post 3 ft. long, 1 in. diam. 26 in. in ground for 1/4 sec. cor. marked on brass cap 1/4 S 6 on N half; S 7 on S half; dig pits 18 X 18 X 12 in. E & W of post, 3 ft. dist; & raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high, N of cor.
81.10	The cor. of secs. 5, 6, 7 & 8.
	This mile is gently rolling land.
	Soil, brown clay loam, 4 to 24 in. deep, fine texture, moist, on clay subsoil.
	W 35.00 chs. has growth of shadscale.
	E. 46.10 chs has growth of white sage.
	No timber.
	N 0°03' W bet. secs 5 & 6.
	Over gently rolling land through white sage.
40.00	Set an iron post 3 ft. long, 1 in. diam. 26 in. in ground for 1/4 sec. cor. marked on brass cap 1/4 S 6 on W half; S 5 on E half; dig pits 18 X 18 X 12 in. N & S of post, 3 ft. dist; & raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high, W of cor.
51.50	Wash 1 ft. deep 10 lks. wide, drains W.
61.00	Low bench bears E & W.
63.00	Foot of same bears E & W.
74.00	Wood road bears E & W.

Subdivision T26S R9W.

82.45 Intersect 5th Standard Parallel South 2.44 chs. N 89° 45' W of S.C. of secs. 31 & 32 cor. before described.

Set an iron post 3 ft. long, 2 in. diam. 24 in. in ground for closing cor. of secs. 5 & 6, marked on brass cap

CC T25 S R9W S31 S32 on N half

S5 in SE

S6 in SW, quadrant; dig pits 24x18 x12 in. crosswise on each line E & W, 3 ft. & S of post 7 ft. dist; & raise a mound of earth 4 ft. base, 2 ft. high S of cor.

This mile is gently rolling land

Soil, brown clay loam, 1 to 2 ft. deep, fine texture, moist, on clay subsoil.

No timber.

Jan 12, 1911.

General Description.

This township contains a variety of land from gently rolling bench to mountainous. The soil ranges from good clay loam to poor sandy loam and rocks.

The soil on the bench land which comprises the central & western portions of this township is generally good brown clay loam capable of producing medium crops of wheat & corn if tilled under modern dry farming methods.

All the bench land has from a fair to a heavy growth of sagebrush, gradually getting smaller as the distance from the mountains increases.

The soil on the mountains & ridges is poor, coarse, sandy loam, very rocky.

The mountains have a scattered growth of scrubby cedar, pinion and mahogany timber.

General Description

There are indications of iron and copper in S.E. 1/4 of sec. 34.

There is no chance of ever getting water for irrigation for this township.

The only water in this township consists of two salt or brackish springs in sec. 34, one being hot while the other is cold.

The water in both analyzes the same.

The western and central portions of this township are exposed to hot south winds very detrimental to vegetation.

There is one settler in sec. 34. P. B. Mc Kean, who has a number of buildings & some land and springs inclosed by a wire fence.

This place is commonly known as Roosevelt Hot Springs.

Mr Mc Kean claims to have spent from $18,000 to $20,000 on buildings etc. at the Springs, and on roads etc. from Springs to Milford, Utah.

Small plots of ground have been plowed to try & hold the land. Owners are unknown.

John W. Dougall
U. S. Transitman.

Boundaries of T.26 S., R.9 W.

Latitudes, Departures, and Closing Errors.

Lines Designated	True Bearing	Dist. chs.	Latitudes, Departures. N. chs.	S. chs.	E. chs.	W. chs.
South Boundary	West	481.75	.....	.....	.....	481.75
West Boundary	North	483.03	483.03	.....	.....	.....
North Bdy.sec.6	N.89°41'E.	3.50	02	.....	3.50	.....
North Bdy.sec.6	N.89°45'E.	79.96	.....	.35	79.96	.....
North Bdy.sec.5	S.89°45'E.	80.08		.35	80.08	.....
North Bdy.sec.4,	S.89°47'E.	80.19	.....	.30	80.19	.....
North Bdy.sec.3	S.89°54'E.	80.25	.....	.14	80.25	.....
North Bdy.sec.2,	East	80.00	.....	.....	80.00	.....
North Bdy.sec.1	S.88°01'E.	77.54	.....	2.68	77.49	.....
East Boundary	South	479.09	.....	479.09	.....	.....
Convergency					.57	
Totals			483.05	482.91	482.04	481.75
			482.91		481.75	
Error in lat.and dep.			.14		.29	

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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 John W. Dougall, United States ~~Deputy Surveyor~~ Transitman, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of the Subdivision of T 26 S R 9 W S.L.B.& M., Utah, showing the respective capacities in which they acted:

George W. Daniel, *Chainman.*
Willis Whitmore, *Chainman.*
William B. Clark, *Moundman.*
, *Moundman.*
, *Axman.*
, *Axman.*
Ernest Harmer, *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted John W. Dougall, United States ~~Deputy Surveyor~~ Transitman, in surveying all those parts or portions of the Subdivision of T. 26 S. R. 9. W. of the Salt Lake Base & V. 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.

George W. Daniel, *Chainman.*
Willis Whitmore, *Chainman.*
William B. Clark, *Moundman.*
, *Moundman.*
, *Axman.*
, *Axman.*
Ernest Harmer, *Flagman.*

Subscribed and sworn to before me this twentieth day of Jan, 1911, 1901

Stanley Stolen
Notary Public

SEAL

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[illegible] 10, 1911 [illegible] No.

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, John W. Dougall, United States ~~Deputy Surveyor~~ Transitman, do solemnly swear that, in pursuance of ~~a contract~~ special instructions received from Thomas Hull United States Surveyor General for Utah, bearing date of the 6th day of August, 1910, 190, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for Utah, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the subdivision of Township 26 South, Range 9 West of the Salt Lake ~~Base and~~ meridian, in the State of Utah, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for Utah and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

John W. Dougall
~~United States Deputy Surveyor~~
United States Transitman

Subscribed by said John W. Dougall, and sworn to before me this 17 day of April, 1912, 190x

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

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, Sept. 16, 1913, 190x

The foregoing field notes of the survey of the subdivisional lines of Township No. 26 South, Range No. 9 West, of the Salt Lake Base and Meridian, Utah,

executed by John W. Dougall under his ~~contract No.~~ special instructions, dated August 6, 1910, 190, having bee critically examined, and the necessary corrections and explanations made, the said field notes, and tl surveys they describe, are hereby approved.

Thomas Hull
United States Surveyor Genera

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

United States Surveyor Genera

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BOOK A-381

K.

FILED
FEB 12 1912

M. S. B.

FIELD NOTES

OF THE SURVEY OF THE

Retracement
of
5th Standard Parallel South
through Range 9 West

of the Salt Lake Base and Meridian,
Utah.

AS SURVEYED BY

John W Dougall, United States ~~Deputy Surveyor~~ Transitman,

Assignment Group Under his ~~Contract~~ No. 5, dated Aug. 6, 1910, ~~100~~

Retirement ~~Survey~~ commenced Jan 5, 1911, ~~100~~

Retirement ~~Survey~~ completed Jan 7, 1911, ~~100~~

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NAMES AND DUTIES OF ASSISTANTS.

George W. Daniel, chainman
Willis Whitmore, chainman
Cap. Dingwood, chainman
William B. Clark, roundman
Ernest Harmon, flagman

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BOOK A-381

INDEX DIAGRAM.

Township 25 South, *Range* 9 West

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31	32	33	34	35	36
7	6	4	3	2	1

Meanders Page.....

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PRELIMINARY OATHS OF ASSISTANTS.

WE, George W. Daniel, Earl Diamond and Willis Whitmore do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the ~~survey of~~ retracement of the 5th Standard Parallel South, through R.9 W., S.L.B. & M., Utah.

Earl Diamond. George W. Daniel, *Chainman.*

Willis Whitmore, *Chainman.*

Subscribed and sworn to before me this Jan 5 day of 1911, ~~190~~

SEAL

John W. Dougall
U.S. Transitman

~~WE~~ I, William B. Clark 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~~ retracement of the 5th Standard Parallel South, through R. 9 W., S. L.B.& M., Utah.

William B Clark, *Moundman.*

Moundman.

Subscribed and sworn to before me this Fifth day of Jan 1911, ~~190~~

SEAL

John W. Dougall
U.S. Transitman

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, Ernest Harmer, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the ~~survey of~~ retracement of the 5th Standard Parallel South, through R.9 W.,, S.L.B.& M., Utah.

Ernest Harmer, *Flagman.*

Subscribed and sworn to before me this Fifth day of Jan 1911, ~~190~~

SEAL

John W. Dougall
U.S. Transitman

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Retracement of 5th Standard Parallel S through Range

Initials.	Survey commenced Jan 5, 1911, and executed with a W & L E Gurley light mountain transit, no number, with solar attachment. For description of instrument see Book A. Knowing my instrument is in perfect adjustment from recent observations on Polaris, Jan. 5, 1911. At 9h 5m a.m. l.m.t. I set off 38°36' N on the lat. arc; 22°39' S on the decl. arc; & determine a true meridian with the solar at the Standard Tps. cor of Tps. 25 S Rs 8 & 9 W, heretofore described. Thence I run West on retracement line on S bdy of sec. 36. Ascend abruptly over rough broken mountainous land, through scattering cedar & pinion timber.
22.65	Ridge 1000 ft. above cor. bears N10°W & S10°E. Leave scattering cedar & pinion bears N & S.
30.50	Draw 250 ft. below ridge, drains N20°W. Difference between measurement of first set of chainmen 39.23 chs., & second set of chainmen 39.43 chs., is 20 lks, the mean of which is
39.33	The old standard 1/4 sec. cor. bears N 1.36 chs. dist; which is a granite, 10x15x6 in. above ground, firmly set, marked & witnessed as described by the Surveyor General.
42.00	Point of spur 200 ft. above draw proj. N50°W.
47.50	Head of draw 175 ft. below spur drains N 60° W.
52.00	Spur 100 ft. above draw proj. N 80° W. Difference between measurement of first set of chainmen 78.52, and second set of chainmen 78.82 is 30 lks, the mean of which is
78.67	The old Standard cor. of secs. 35 & 36 bears N 2.72 chs. dist. Therefore the course of this line is N 86° 01' W, & distance 78.72 chs.

acement of 5th Standard Parallel S, through Range 9 West.

Chains	
	Said cor. is a granite 12 x 6 x 4 in. above ground firmly set, marked & witnessed as described by the Surveyor General. This cor. is 750 ft. below spur. Sand, stony, broken & mountainous. Ridges are mostly covered with large loose rocks. Slopes are washed stony & broken. Draws, stony & washed. Timber, cedar & pinion. Mountainous land 78.67 chs.
	West on retracement line on S bdy of sec. 35. Descend over stony mountainous land along S slope.
3.00	Enter scattering cedar bears N10°W & S10°E.
12.00	Leave mountainous land, thence gentle descent.
24.00	Wash 12 ft. deep 40 lks. wide drains N70°W. Difference between measurement of first set of chainmen 40.02 chs, & second set of chainmen 39.98 chs. is 4 lks, the mean of which is -
40.00	Intersect old Standard 1/4 sec. cor. which is a granite 12 x 6 x 6 in. above ground very dimly marked, & not witnessed. I destroy all traces of old 1/4 sec. cor. & reestablish it in same place as follows Set an iron post 3 ft. long, 1 in. diam. 26 in. in ground for Standard 1/4 sec. cor. marked on brass cap SC 1/4 S 35 on N half; from which A cedar tree, 8 in. diam. bears N66°W, 78 lks. dist. marked SC 1/4 S 35 B J A cedar tree, 7 in. diam. bears N16°30'W, 93 lks. dist. marked SC 1/4 S 35 B J
41.00	Wash 10 ft. deep 70 lks. wide, drains N70°W

Retracement of 5th Standard Parallel S, through Range 9 W

Chains	
44.00	Enter heavy cedar bears N 40° W & S 40° E.
62.00	Leave same, bears N 60° W & S 60° E.
65.00	Leave stony land; enter sandy land. Difference between measurement by first set of chainmen 79.95 chs. & second set of chainmen 80.05 chs. is 10 lks, the mean of which is
80.00	Intersect the Standard cor. of secs. 34 & 35 which is a granite 14 x 6 x 4 in. above ground badly crumbled, marks nearly obliterated. I destroy all traces of old cor. & reestablish it in same place as follows Set an iron post 3 ft. long, 3 in. diam, 24 in. in ground for Standard cor. of secs. 34 & 35 marked on brass cap T 25 S S 34 in NW R 9 W S 35 in NE. quadrant; from which A lone cedar, 5 in. diam. bears N 10° W, 61 lks. dist. marked S C T 25 S R 9 W S 34 B J Dig pits 24 x 18 x 12 in. crosswise on each line, E & W 3 ft. dist, & N of post 7 ft dist; & raise a mound of earth 4 ft. base, 2 ft high N of cor. E. 12.00 chs. stony mountainous land sloping S. W. 68.00 chs. rolling land sloping W. Soil on E 53.00 chs of the rolling land is poor coarse sandy loam, very stony W 15.00 chs, good sandy loam, 4 to 20 in deep, on clay & gravel subsoil. Timber, cedar. Mountainous land 12.00 chs. Jan 5, 1911. At the Standard cor. of secs. 34 & 35 I set off 22° 39' S on the decl. arc; and at 12 h 5 m p.m. l.m.t. observe the sun on the meridian the resulting lat is 38° 36' N Thence I run W. on retracement line, on S bdy. of sec. 34

Chains

Over gently rolling bench land through sagebrush & scattering cedar timber.

26.00 Leave scattering cedar, bears N10°E & S10°W.
Difference between measurement of first set of chainmen 40.09chs, & second set of chainmen 40.15chs. is 6lks. the mean of which is

40.12 The old standard 1/4 cor. on S. bdy of sec. 34 bears N 7lks. dist, which is a granite stone, loosely set, badly crumbled, marks nearly obliterated.
I destroy all traces of the old cor. & reestablish it at the same place as follows
Set an iron post 3ft. long, 1in. diam. 26 in. in ground for Standard 1/4 sec. cor. marked on brass cap S C 1/4 S 34 on N half; raise a mound of stone 2 ft. base 1 1/2 ft high N. of cor. Pits impracticable.

47.00 Road, Ranch Canyon to Antelope Springs, bears N & S.

62.00 Wash 6ft. deep, 40lks. wide drains N80°W.
Difference between measurement of first set of chainmen 80.20chs. & second set of chainmen 80.30chs. is 10lks. the mean of which is

80.25 The old Standard cor. of secs. 33 & 34, bears N 14lks, therefore the course of this line is N 89°54'W, which is a granite 18 x 6 x 6 in. above ground, firmly set, marked & witnessed as described by the Surveyor General.
Land, gently rolling bench sloping W.
Soil, good brown clay loam, 4 to 24 in. deep, fine texture moist, on clay subsoil.
Good growth of sagebrush.
Timber, cedar.

Jan. 5. 1911. At 2h 5m. p.m. l.m.t. I set off 38°36' N on the lat. arc; 22°38' S on the decl. arc; & determine a true meridian

Chains	
	with the solar at the standard cor. of secs. 33 & 34
	Thence I run
	West on retracement line along S bdy of sec. 33.
	Over gently rolling land through sage-brush
10.25	Wood road bears N 80° E & S 80° W.
	Difference between measurement by first set of chainmen 40.08 chs., & second set of chainmen 40.10 chs. is 2 lks. the mean of which is
40.09	Standard old 1/4 sec. cor. on S bdy of sec. 33 bears N 15 lks. dist, which is a granite 16 X 12 X 8 in. above ground, firmly set marked & witnessed as described by the Surveyor General.
	Difference by measurement between first set of chainmen 80.15 chs. & second set of chainmen 80.23 chs. is 8 lks. the mean of which is
80.19	The old Standard cor. of secs. 32 & 33, bears N 30 lks dist, which is a limestone 10 X 6 X 6 in. badly crumbled and marks nearly obliterated. The course of this line is N. 89° 47' W.
	I destroy all traces of old cor. and re-establish it at same point as follows
	Set an iron post 3 ft. long, 3 in. diam. 24 in. in ground for standard cor. of secs. 32 & 33 marked on brass cap
	T 25 S & 32 in NW
	R 9 W S 33 in NE, quadrant; dig pits 24 X 18 X 12 in crosswise on each line, E & W 3 ft. & north of post. 7 ft. distant; & raise a mound of earth 4 ft. base, 2 ft. high N of cor.
	Land, gently rolling bench, sloping W.
	Soil, good, brown clay loam, 1 to 2 ft. deep fine texture, moist, on clay subsoil.
	Good growth of sagebrush.

Trees	No timber.
	Jan. 5, 1911.
	Jan. 7, 1911, At 2h 6m. p.m. l. m. t I set off 38°36' N on the lat. arc; 22°24' S on the decl. arc; & determine a meridian with the solar at the Standard cor. of secs. 32 & 33.
	Thence I run
	West on retracement line on S bdy. of sec. 32.
	Over gently rolling land through sage brush.
	Difference between measurement of first set of chainmen 40.06 chs. & second set of chainmen 40.02 chs. is 4 lks. the mean of which is
40.04	The remains of old standard 1/4 sec. cor. bears N 17 lks. dist.
	I destroy all traces of old 1/4 cor. & reestablish it in same place as follows
	Set an iron post 3 ft. long, 1 in. diam. 26 in. in ground for Standard 1/4 sec. cor. marked on brass cap SC 1/4 S 32 on N half; dig pits 18 X 18 X 12 in. E & W of post 3 ft. dist; & raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high, N of cor.
43.75	Wood road bears N 30° E & S 30° W.
44.00	Leave sagebrush; enter white sage bears N 10° E & S 10° W.
	Difference between measurement by first set of chainmen 80.11 chs. & second set of chainmen 80.05 chs. is 6 lks. the mean of which is
80.08	The old Standard cor. of secs. 31 & 32 which is a limestone 10 X 6 X 4 in. above ground, loosely set & poorly marked bears N. 35 lks.
	I destroy all traces of old cor. and reestablish it at same place as follows
	Set an iron post, 3 ft. long, 3 in. diam.

Chains	24 in. in ground, for Standard cor. of secs. ~~30 & 31~~ 31 & 32 marked on brass cap T25S S31 in NW R9W S32 in NE, quadrant, dig pits 24X18X12 in. crosswise on each line, E & W 3 ft; & N of post 7 ft. dist; & raise a mound of earth 4 ft. base, 2 ft. high, N of cor. Therefore the course of this line is N 89° 45' W.
	Land, rolling, sloping W.
	Soil, good, brown, clay loam, 1 to 2 ft. deep fine texture, moist, on clay subsoil.
	Fair growth of sagebrush on E half.
	Good growth of white sage on W half.
	No timber.
	West on retracement line on S bdy of sec. 31.
	Over gently rolling land through white sage.
6.00	Leave white sage; enter shadscale.
	Difference between measurement by first set of chainmen 39.94 chs. & second set of chainmen 40.02 chs. is 8 lks. the mean of which is
39.98	The old Standard 1/4 sec. cor. bears N 18 lks. dist. which is a lava stone 16X4X3 in. above ground, loosely set, marked & witnessed as described by the Surveyor General.
	I destroy all traces of old cor. and re-establish it at same place as follows. Set an iron post 3 ft. long, 1 in. diam. 26 in. in ground for Standard 1/4 sec. cor. marked on brass cap SC 1/4 S31 on N half; dig pits 18X18X12 in. E & W of post, 3 ft. dist; & raise a mound of earth 3 1/2 ft. base 1 1/2 ft. high, N of cor.
	Difference between measurement of first set of chainmen 79.93 chs. & second

Tracement of 5th Standard Parallel S, through Range 9 W

Chains set of chainmen 79.99 lks. is 6 lks. the mean of which is

79.96 The old Standard Cor. of Tps. 25 S Rs 9 & 10 W bears N 35 lks. dist. which is a cedar post badly decayed & marks nearly obliterated.

I destroy all traces of old cor. and re-establish it at same place as follows

Set an iron post 3 ft. long, 3 in. diam. 24 in. in ground for Standard cor. of Tps. 25 S Rs. 9 & 10 W marked on brasscap

SC T 25 S on N half

R 10 W S 36 in NW

R 9 W S 31 in NE quadrant; dig pits 30 x 24 x 12 in. crosswise on each line, E & W 4 ft. & N of post, 8 ft. dist; & raise a mound of earth, 5 ft. base 2½ ft. high, N of cor.

Therefore the course of this line is N 89° 45' W.

Land, gently rolling, sloping W.

Soil, good brown clay loam, 4 to 20 in. deep, fine texture, moist, on clay subsoil.

Good growth of shadscale & white sage.

No timber

Jan. 7, 1911.

John W. Dougall

U.S. Transitman

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by John W. Dougall, Transitman 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 Fifth Standard South through Range 9 West S.L.B.& M. Utah, showing the respective capacities in which they acted:

Earl Diamond, Geo W. Daniel, Chainmen.
Willis Whitmore, Chainman.
Willis B. Clark, Moundman.
, Moundman.
, Axman.
, Axman.
Ernest Hamer, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted John W. Dougall, Transitman United States ~~Deputy Surveyor~~, in ~~surveying~~ retracing all those parts or portions of the Fifth Standard Parallel South through Range 9 West West, of the Salt Lake Base & meridian, State of Utah, which are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said 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.

George W. Daniel, Earl Diamond, Chainmen.
Willis Whitmore, Chainman.
William B. Clark, Moundman.
, Moundman.
, Axman.
, Axman.
Ernest A. Hamer, Flagman.

Subscribed and sworn to before me this twenty-sixth day of Jan. 1911, ~~100~~

SEAL

Notary Public

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FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, John W. Dougall, United States ~~Deputy Surveyor~~ Transitman, do solemnly swear that, in pursuance of special instructions ~~a contract~~ received from Thomas Hull United States Surveyor General for Utah, bearing date of the 6th day of August, 1910, ~~190~~, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for Utah, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the retracement of the Fifth Standard Parallel South, through Range No.9 West

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

John W. Dougall
~~United States Deputy Surveyor.~~
United States Transitman

Subscribed by said John W. Dougall, and sworn to before me this 17 day of April, 1912, ~~190~~

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

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, Sept. 16, 1913., ~~190~~

The foregoing field notes of ~~the survey of~~ the retracement of the Fifth Standard Parallel South through Range No.9 West of the Salt Lake Base and Meridian, Utah,

executed by John W. Dougall under his special instructions ~~contract No.~~, dated August 6, 1910, ~~190~~, 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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