

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ORIGINAL

FIELD NOTES

OF

THE DEPENDENT RESURVEY OF
A PORTION OF THE SOUTH BOUNDARY,
TOWNSHIP 33 SOUTH, RANGE 18 WEST,
A PORTION OF THE SUBDIVISIONAL LINES

AND

THE SUBDIVISION OF SECTIONS 4 AND 5,

IN

TOWNSHIP 34 SOUTH, RANGE 18 WEST,

OF THE SALT LAKE MERIDIAN
IN THE STATE OF UTAH

EXECUTED BY

Jeremy D. Davis
Cadastral Surveyor

Under Special Instructions dated and approved **November 4, 2013**, which provided for the surveys included under Group Number **1239**, and Assignment Instructions dated **November 4, 2013**.

Survey Commenced, **November 6, 2013**
Survey Completed, **June 4, 2014**

INDEX DIAGRAM

TOWNSHIP 34 SOUTH, RANGE 18 WEST, SALT LAKE MERIDIAN, UTAH

	5	4	3		
6 10	5 9	4 8	3	2	1
	9	9			
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

The Subdivision of Section 4.....11
 The Subdivision of Section 5.....11

TOWNSHIP 34 SOUTH, RANGE 18 WEST, SALT LAKE MERIDIAN, UTAH

The following field notes are those of the dependent resurvey of a portion of the south boundary, T. 33 S., R. 18 W., a portion of the subdivisional lines, and the subdivision of sections 4 and 5, in T. 34 S., R. 18 W., Salt Lake Meridian, Utah.

HISTORY OF SURVEYS

Surveyed by		Retr. or Resurveyed by	
SOUTH BOUNDARY			
All	T.C. Bailey	1881	
All			F.T. Roberts 1909
EAST BOUNDARY (THIRD AUXILIARY GUIDE MERIDIAN)			
All	T.C. Bailey	1882	
All			F.T. Roberts 1909
All			R.E.L. Collier 1910
WEST BOUNDARY			
Portion	T.C. Bailey	1881	
All	T.C. Bailey	1882	T.C. Bailey 1882
Portion			F.M. Johnson 1904
All			A.D. Ferron 1906
Portion			F.T. Roberts 1909
NORTH BOUNDARY			
All	T.C. Bailey	1882	
All			M.H. Dalley 1901-12
Portion			F.T. Roberts 1909
SUBDIVISION			
All	F.T. Roberts	1909	

TOWNSHIP 34 SOUTH, RANGE 18 WEST, SALT LAKE MERIDIAN, UTAH

The survey was executed in accordance with the specifications set forth in the Manual of Surveying Instructions, 2009, and the Special Instructions for Group No. 1239, dated November 4, 2013.

The direction of each line is with reference to the true meridian, determined by Global Positioning System (GPS) utilizing Real-Time Kinematic (RTK) techniques throughout the survey. The positional accuracy of this survey complies with the *Standards for the Positional Accuracy of Cadastral Surveys when using Global Navigation Satellite Systems (GNSS)*, dated February 23, 2009. Trimble model R8 GPS receivers were used for field collection. Cadastral Measure Management (CMM) software was the primary software utilized for project calculations.

Preliminary to the resurvey, the lines of the prior surveys were retraced and a search was made for all corners and other calls of record. Identified corners were remonumented in their original positions. Lost corners were reestablished and remonumented at proportionate positions based on the official record. The retracement data was thoroughly verified and only the true line field notes are given herein.

Geodetic control was derived from GPS static observations, post processed by National Geodetic Survey, Online Positioning User Service (OPUS), utilizing Continuously Operating Reference Stations (CORS); NVSV SPRING VALLEY CORS ARP, SGU1 ST GEORGE PUTIL CORS ARP, NVPI PIOCHE CORS ARP.

The geographic position of the corner of sections 3, 4, 9, and 10, determined by direct RTK methods from the National Geodetic Survey OPUS solution, is as follows:

Latitude: **37°52'03.225" N.**,
Longitude: **113°51'28.091" W.**, N.A.D. 83 (2011), EPOCH: 2010.00,
Network Accuracy = 0.200 meter at 95% confidence.

The geographic position of the corner of sections 31 and 32 only, T. 33 S., R. 18 W., determined by direct RTK methods from the National Geodetic Survey OPUS solution, is as follows:

Latitude: **37°52'55.528" N.**,
Longitude: **113°53'47.094" W.**, N.A.D. 83 (2011), EPOCH: 2010.00,
Network Accuracy = 0.200 meter at 95% confidence.

DEPENDENT RESURVEY OF A PORTION OF THE SOUTH BOUNDARY,
TOWNSHIP 33 SOUTH, RANGE 18 WEST, SALT LAKE MERIDIAN, UTAH

CHAINS

Dependent Resurvey of a Portion of the South Boundary,
T. 33 S., R. 18 W., Salt Lake Meridian, Utah

The Reestablishment of the Survey Executed by T.C. Bailey in
1882, and the Resurvey Executed by M.H. Dalley in 1901-1912

Beginning at the closing corner of sections 2 and 3, T. 34 S.,
R. 18 W., monumented with an iron post, 2 inches diameter,
firmly set, flush with the ground, with brass cap marked as
described in the official record of the 1909 survey.

Corner falls 2 ft. north of north post of H-brace of a fence
line extending north and south.

From this point, the 1/4 section corner of section 35 only,
monumented with a trachyte stone, 10x10x6 inches, firmly set,
marked 1/4 on north face, with a mound of stone 3 ft. base by 1
ft. high located to the north, bears N. 89°48.6' W., 32.062
chains distance.

At the corner point

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 22
inches in the ground, with aluminum cap marked

T33SR18W
1/4 S35
2013

Deposit the marked stone alongside and buried a magnet at the
base of the aluminum post.

Raise a mound of stone 3 ft. by 1 ft. high, north of the
aluminum post.

Corner falls on flat ground in grass.

S. 89°42.6' W., on south boundary of section 35.

- 8.362** Point for the corner of sections 34 and 35 only, at
proportionate distance; there is no remaining evidence of the
original corner. Not monumented.

Continuing measurement on the south boundary of section 34.

- 48.482** Point for the 1/4 section corner of section 34 only, at
proportionate distance; there is no remaining evidence of the
original corner. Not monumented
- 80.103** The closing corner of sections 3 and 4, T. 34 S., R. 18 W.,
monumented with an iron post, firmly set, bent slightly to the

DEPENDENT RESURVEY OF A PORTION OF THE SOUTH BOUNDARY,
TOWNSHIP 33 SOUTH, RANGE 18 WEST, SALT LAKE MERIDIAN, UTAH
CHAINS

west, with no brass cap attached.

At the corner point

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 24 inches in the ground, with brass cap marked

C	C
S4	S3
T34SR18W	
2013	

Deposit the iron post inverted alongside, and buried two magnets at the base of the aluminum post.

Corner falls 2 ft. north of juniper post set alongside a steel water trough.

S. 89°44.8' W., on the south boundary of section 34.

- 8.498** Point for the corner of sections 33 and 34 only, at proportionate distance; there was no remaining evidence of the original corner.

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 29 inches in the ground, with aluminum cap marked

T33SR18W	
S33	S34
2014	

Deposit a magnet at the base of the aluminum post.

Corner falls 10 ft. south of the centerline of a 2 track road extending east and west, and 4.5 ft. north of a fence line extending east and west, on gently rolling ground.

The Reestablishment of the Survey Executed by T.C. Bailey in
1882, the Resurvey Executed by M.H. Dalley in 1901-1912,
and the Retracement Executed by F.T. Roberts in 1909

Continuing measurement on the south boundary of section 33.

- 40.175** Point for the 1/4 section corner of section 4 only, T. 34 S., R. 18 W., at mid-point between closing corners.

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 20 inches in the ground, in a mound of stone, 2 ft. base, to top of aluminum cap marked

DEPENDENT RESURVEY OF A PORTION OF THE SOUTH BOUNDARY,
TOWNSHIP 33 SOUTH, RANGE 18 WEST, SALT LAKE MERIDIAN, UTAH

CHAINS

T33S
1/4 S4
T34SR18W
2014

Set a steel fence post alongside and buried a magnet at the base of the aluminum post.

Corner falls near base of hill in grass.

- 48.728** The 1/4 section corner of section 33 only, monumented with a lava stone (Record, trachyte), 16x8x8 inches, firmly set, marked 1/4 on north face.

At the corner point

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 15 inches in the ground, to solid rock, in a mound of stone, 3 ft. base, to top of aluminum cap marked

T33SR18W
1/4 S33
2014

Deposit the marked stone alongside and buried a magnet at the base of the aluminum post.

Corner falls on a steep rocky east slope in sagebrush and scattered juniper growth.

S. 89°41.7' W., beginning new measurement.

- 31.623** The closing corner of sections 4 and 5, T. 34 S., R. 18 W., monumented with an iron post, 2 inches diameter, firmly set, projecting 6 inches above a mound of stone, 3 ft. base, with brass cap marked as described in the official record of the 1909 survey.

from which the original bearing trees

A piñon, dead, standing, and decaying, 7 inches diameter, bears S. 1° E., 133 links distance, scribed T34S R18W S4 BT, on an open blaze.

A trifurcated, juniper, 8 inches diameter, bears S. 16° W., 97 links distance, marked T33S R18W S5 BT, on a partially healed blaze.

Corner falls on a gradual west slope in piñon and juniper growth.

- 40.219** The corner of sections 32 and 33 only, monumented with trachyte stone, 20x8x8 inches, firmly set, in a mound of stone 3 ft. base, marked 4 notches on east and 2 notches on west edges.

DEPENDENT RESURVEY OF A PORTION OF THE SOUTH BOUNDARY,
TOWNSHIP 33 SOUTH, RANGE 18 WEST, SALT LAKE MERIDIAN, UTAH

CHAINS

from which the 1912 bearing trees

A juniper, 10 inches diameter, bears N. $36\frac{1}{4}^{\circ}$ E., 100 links, with scribe marks visible through a mostly healed blaze.

A juniper, 8 inches diameter, dead and standing, bears N. $30\frac{1}{4}^{\circ}$ W., 63 links distance, with scribe marks visible through a mostly healed blaze.

At the corner point

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 15 inches in the ground, to solid rock, in a mound of stone, 3 ft. base, to top of aluminum cap marked

T33SR18W
S32 | S33
2014

Deposit the marked stone alongside, buried a magnet, at the base of the aluminum post.

Corner falls on a gradual rocky west slope in scattered piñon and juniper growth.

The Reestablishment of the Survey Executed by T.C. Bailey in 1882,
and the Resurvey Executed by M.H. Dalley in 1901-1912

S. $89^{\circ}40.2'$ W., on the south boundary of section 32.

31.526 Point for the 1/4 section corner of section 5 only, T. 34 S., R. 18 W., at mid-point between closing corners.

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 29 inches in the ground, with magnet at base, with aluminum cap marked

T34SR18W
1/4 S5
2014

Corner falls on flat ground, in sagebrush and scattered piñon and juniper growth.

40.098 The 1/4 section corner of section 32 only, monumented with a trachyte stone, 20x8x8 inches, firmly set, marked 1/4 on north face.

from which the 1912 bearing tree

A bifurcated juniper, 8 inches diameter, bears N. 50° E., 20 links distance, scribed 1/4 S32 BT, on a partially healed blaze.

DEPENDENT RESURVEY OF A PORTION OF THE SOUTH BOUNDARY,
TOWNSHIP 33 SOUTH, RANGE 18 WEST, SALT LAKE MERIDIAN, UTAH

CHAINS

At the corner point

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 15 inches in the ground, in a mound of stone, 3 ft. base, to top of aluminum cap marked

T33SR18W
1/4 S32
2014

Deposit the marked stone alongside, buried a magnet at the base of the aluminum post.

Corner falls on a gradual southeast slope in piñon and juniper growth.

S. 89°41.8' W., beginning new measurement.

- 31.549** The closing corner of sections 5 and 6, T. 34 S., R. 18 W., monumented with an iron post, 2 inches diameter, firmly set, projecting 8 inches above a mound of stone, 3 ft. base, with brass cap marked as described in the official record of the 1909 survey.

from which the original bearing trees

A juniper, 10 inches diameter, bears S. 29° E., 48 links distance, with faint scribe marks visible on a weathered open blaze.

A bifurcated juniper, 10 inches diameter, bears S. 69° W., 45 links distance, with faint scribe marks on a weathered open blaze.

Corner falls on flat ground in piñon and juniper growth.

- 40.075** The corner of sections 31 and 32 only, monumented with a trachyte stone, 12x8x8 inches (Record, 16x10x6), firmly set, marked 5 notches on east and 1 notch on west edges, with a mound of stone 3 ft. base by 1 ft. high located to the south.

from which the 1912 bearing trees

A juniper, 8 inches diameter, bears N. 42° E., 57 links distance, with scribe marks visible though a mostly healed blaze. (Record, N. 48°45' E., 79 links)

A juniper, 10 inches diameter, bears N. 79° W., 163 links distance, with scribe marks visible through a mostly healed blaze. (Record, N. 15°15' W., 126 links)

At the corner point

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 18

DEPENDENT RESURVEY OF A PORTION OF THE SOUTH BOUNDARY,
TOWNSHIP 33 SOUTH, RANGE 18 WEST, SALT LAKE MERIDIAN, UTAH

CHAINS

inches in ground, to solid rock, in a mound of stone, 3 ft.
base, to top of aluminum cap marked

T33SR18W
S31|S32
2013

Deposit the marked stone alongside and buried a magnet at the
base of the aluminum post.

Corner falls on flat ground in piñon and juniper growth.

Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 34 S., R. 18 W., Salt Lake Meridian, Utah

The Reestablishment of the Survey Executed by F.T. Roberts in 1909

From the corner of sections 3, 4, 9, and 10, monumented with an
iron post, 2 inches diameter, firmly set, projecting 8 inches
above the ground, with brass cap marked as described in the
official record of the 1909 survey, with a mound of stone, 3 ft.
base by 1 ft. high, is located 1 ft. north of the iron post.

Corner falls 1 ft. south of corner of fences extending north,
south, and west, on flat ground.

N. 0°01.3' E., between sections 3 and 4.

- 40.123 The 1/4 section corner of sections 3 and 4, monumented with an
iron post, 1 inch diameter, firmly set, bent 90° to the ground,
with no brass cap attached.

At the corner point

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 22
inches in the ground, with aluminum cap marked

T34SR18W
1/4
S4|S3
2013

Deposit the iron post alongside and buried a magnet at the base
of the aluminum post.

Corner falls 4 ft. west of a fence line extending north and
south, on flat ground.

N. 0°17.1' E., beginning new measurement.

- 40.932 The closing corner of sections 3 and 4, at intersection with the

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,
TOWNSHIP 34 SOUTH, RANGE 18 WEST, SALT LAKE MERIDIAN, UTAH
CHAINS

south boundary of section 34, hereinbefore described.

From the corner of sections 3, 4, 9, and 10.

N. 89°53.2' W., between sections 4 and 9.

- 40.080** The 1/4 section corner of sections 4 and 9, monumented with an iron post, 1 inch diameter, firmly set, projecting 4 inches above the ground, with brass cap marked as described in the official record of the 1909 survey.

Corner falls in a fence line extending east and west, on flat ground, in sagebrush.

S. 89°52.7' W., beginning new measurement.

- 39.979** The corner of sections 4, 5, 8, and 9, monumented with an iron post, 2 inches diameter, firmly set, projecting 8 inches above a mound of stone, 2 ft. base, with brass cap marked as described in the official record of the 1909 survey.

Corner falls in a fence line extending east and west, on flat ground, in sagebrush.

N. 0°03.7' W., between sections 4 and 5.

- 40.108** The 1/4 section corner of sections 4 and 5, monumented with an iron post, 1 inch diameter, firmly set, projecting 10 inches above the ground, with brass cap marked as described in the official record of the 1909 survey.

Raise a mound of stone, 2 ft. base, 2 ft. high, west of corner.

Corner falls on flat ground.

N. 0°03.6' W., beginning new measurement.

- 40.568** The closing corner of sections 4 and 5, at intersection with the south boundary of section 33, hereinbefore described.
-

From the corner of sections 4, 5, 8, and 9.

N. 89°47.8' W., between sections 5 and 8.

- 40.117** The 1/4 section corner of sections 5 and 8, monumented with an iron post, 1 inch diameter, firmly set, projecting 5 inches above the ground, with brass cap marked as described in the official record of the 1909 survey.

Corner falls at corner of fences extending east and northwest

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,
TOWNSHIP 34 SOUTH, RANGE 18 WEST, SALT LAKE MERIDIAN, UTAH

CHAINS

N. 89°48.8' W., beginning new measurement.

- 40.084 The corner of sections 5, 6, 7, and 8, monumented with an iron post, 2 inches diameter, firmly set, projecting 10 inches above a mound of stone, 3 ft. base, with brass cap marked as described in the official record of the 1909 survey.

from which the remaining original bearing trees

A bifurcated juniper, 10 inches diameter, bears S. 18° E., 107 links distance, scribed T34S R18W S8 BT, on an open blaze.

A juniper, 20 inches diameter, bears S. 79° W., 80 links distance, scribed T34S R18W S7 BT, on a partially healed blaze.

Corner falls on a gradual rocky northeast slope in piñon and juniper growth.

N. 0°04.6' W., between sections 5 and 6.

- 40.194 The 1/4 section corner of sections 5 and 6, monumented with an iron post, 1 inch diameter, firmly set, projecting 12 inches above the ground, with brass cap marked as described in the official record of the 1909 survey, with a mound of stone, 3 ft. base 2 ft. high, is located to the west of the iron post.

from which the original bearing trees

A juniper, 14 inches diameter, bears N. 26° E., 118 links distance, with faint scribe marks visible on a weathered open blaze.

A juniper, on the center trunk of multi trunks, 8 inches diameter, bears N. 61° W., 102 links distance, scribed 1/4 S6 BT on a partially healed blaze.

Raise a mound of stone, 3 ft. base, to top of brass cap.

Corner falls on a slight southeast slope in piñon and juniper growth.

N. 0°07.9' W., beginning new measurement.

- 39.761 The closing corner of sections 5 and 6, at the intersection with the south boundary of section 32, hereinbefore described.

THE SUBDIVISION OF SECTION 4,
TOWNSHIP 34 SOUTH, RANGE 18 WEST, SALT LAKE MERIDIAN, UTAH

CHAINS

The Subdivision of Section 4,
T. 34 S., R. 18 W., Salt Lake Meridian, Utah

From the 1/4 section corner of sections 4 and 9.

N. 0°04.9' E., on the N-S centerline of section 4.

- 40.034** Point for the center 1/4 section corner, at intersection with the E-W centerline of section 4.

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 20 inches in the ground, with aluminum cap marked

T34SR18W
C 1/4
S4
2014

Set a steel fence post alongside and buried a magnet at the base of the aluminum post.

Corner falls on flat ground in sagebrush.

- 80.798** The 1/4 section corner of section 4 only, at intersection with the south boundary of section 33, hereinbefore described.

From the 1/4 section corner of sections 3 and 4.

S. 89°59.1' W., on the E-W centerline of section 4.

- 40.031** The center 1/4 section corner of section 4.

- 80.108** The 1/4 section corner of sections 4 and 5.

The Subdivision of Section 5,
T. 34 S., R. 18 W., Salt Lake Meridian, Utah

From the 1/4 section corner of sections 5 and 8.

N. 0°04.2' W., on the N-S centerline of section 5.

- 40.145** Point for the center 1/4 section corner, at intersection with the E-W centerline of section 5.

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 29 inches in the ground, with aluminum cap marked

THE SUBDIVISION OF SECTION 5,
TOWNSHIP 34 SOUTH, RANGE 18 WEST, SALT LAKE MERIDIAN, UTAH

CHAINS

T34SR18W
C 1/4
S5
2014

Set a steel fence post alongside and buried a magnet at the base of the aluminum post.

Corner falls on gently rolling ground in scattered piñon and juniper growth.

- 80.307** The 1/4 section corner of section 5 only, at intersection with the south boundary of section 32, hereinbefore described.

From the 1/4 section corner of sections 4 and 5.

N. 89°44.6' W., on the E-W centerline of section 5.

- 40.119** The center 1/4 section corner of section 5.

- 80.203** The 1/4 section corner of sections 5 and 6.
-

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

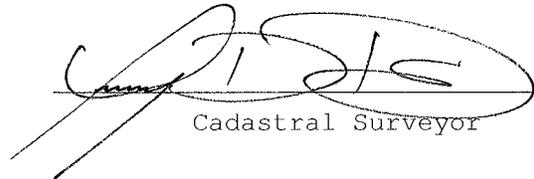
FIELD ASSISTANTS

Name	Capacity
Jacob Murdoch	Student Trainee
Chris Henery	Fire Crew
Dameon Julander	Fire Crew
Matthew Fox	Survey Aid

CERTIFICATE OF SURVEY

I, *Jeremy D. Davis, Cadastral Surveyor*, HEREBY CERTIFY upon honor, that in pursuance of Special Instructions bearing the date of the *November 4, 2013*, I have *dependently resurveyed a portion of the south boundary, Township 33 South, Range 18 West, a portion of the subdivisional lines, and the subdivision of sections 4 and 5, in Township 34 South, Range 18 West*, of the *Salt Lake Meridian*, in the State of *Utah*, which are represented in the foregoing field notes as having been executed by me and under my direction; and that said survey has been made in strict conformity with said Special Instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in specific manner described in the foregoing field notes.

May 1, 2015
Date

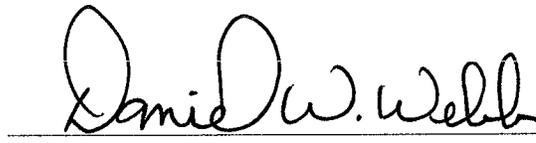

Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT
Salt Lake City, Utah

The foregoing field notes of the *dependent resurvey of a portion of the south boundary, Township 33 South, Range 18 West, a portion of the subdivisional lines, and the subdivision of sections 4 and 5, in Township 34 South, Range 18 West, Salt Lake Meridian, Utah*, executed by *Jeremy D. Davis, Cadastral Surveyor*, having been critically examined and found correct, are hereby approved.

May 4, 2015
Date


Chief Cadastral Surveyor for Utah