

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ORIGINAL

FIELD NOTES

OF

THE DEPENDENT RESURVEY OF
A PORTION OF THE SUBDIVISIONAL LINES,

AND

THE SUBDIVISION OF SECTIONS 4 AND 9,

IN

TOWNSHIP 19 SOUTH, RANGE 2 WEST,

OF THE SALT LAKE MERIDIAN
IN THE STATE OF UTAH

EXECUTED BY

Jeremy D. Davis
Cadastral Surveyor

Under Special Instructions dated **November 14, 2011**, approved **November 14, 2011**, which provided for the surveys included under Group Number **1172**, and Assignment Instructions dated **November 14, 2011**.

Survey Commenced, **November 14, 2011**
Survey Completed, **November 17, 2011**

INDEX DIAGRAM

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TOWNSHIP 19 SOUTH, RANGE 2 WEST, SALT LAKE MERIDIAN, UTAH

The following field notes are those of the dependent resurvey of a portion of the subdivisional lines, and the subdivision of sections 4 and 9, in T. 19 S., R. 2 W., Salt Lake Meridian, Utah.

HISTORY OF SURVEYS

	Surveyed by		Retr. or Resurveyed by	
SOUTH BOUNDARY				
Portion	F. Dickert	1871		
Portion	H. Fitzhugh	1882	H. Fitzhugh	1882
Portion	H.D. Heist & E.V. Woolley	1906	H.D. Heist & E.V. Woolley	1906
Portion			F.R. Chappell	1970
EAST BOUNDARY				
Portion	S.M. Richardson	1883		
All	H.D. Heist & E.V. Woolley	1906	H.D. Heist & E.V. Woolley	1906
Portion			S.P. Sylvester	1980
WEST BOUNDARY				
All	F. Dickert	1871		
Portion			H.D. Heist & E.V. Woolley	1906
NORTH BOUNDARY				
Portion	F. Dickert	1871		
All	S.M. Richardson	1883	S.M. Richardson	1883
All			H.D. Heist & E.V. Woolley	1906
Remonumentation			F.D. Reynolds	1972
Portion			S.P. Sylvester	1980
Portion			D.T. Gillins	2008-9
SUBDIVISION				
Portion	F. Dickert	1871		
Portion	H.D. Heist & E.V. Woolley	1906	H.D. Heist & E.V. Woolley	1906
Portion			S.P. Sylvester	1980

COUNTY SURVEYS

Millard County has monumented some corners within the township, with **MILLARD COUNTY SURVEYORS SECTION TIES** on file at the Millard County Recorder's Office.

FOREST SERVICE SURVEYS

The U.S Department of Agriculture has resurveyed a portion of the north boundary, subdivisional lines, and the subdivision of sections 5, 9, and 16, with plat, #103 and #485 are on file at the Millard County Recorder's Office.

TOWNSHIP 19 SOUTH, RANGE 2 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. 1172, dated November 14, 2011.

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 5800 GPS receivers were used for field collection. Cadastral Measurement 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); DELTAMUNI_UT 2004 CORS ARP, MARYSVALE_UT 2006 CORS ARP, AND MIDVALE CORS ARP.

The geographic position of the corner of sections 15, 16, 21, and 22, T. 19 S., R. 2 W., as determined by indirect RTK methods from the National Geodetic Survey OPUS solution, is as follows:

Latitude: **39°09'17.048" N.**,
Longitude: **112°04'19.596" 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 4, 5, 32, and 33, T. 19 S., R. 2 W., as determined by indirect RTK methods from the National Geodetic Survey OPUS solution, is as follows:

Latitude: **39°11'54.040" N.**,
Longitude: **112°05'26.753" W.**, N.A.D. 83 (2011), EPOCH: 2010.00,
Network Accuracy = 0.200 meter at 95% confidence.

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,
TOWNSHIP 19 SOUTH, RANGE 2 WEST, SALT LAKE MERIDIAN, UTAH

CHAINS

Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 19 S., R. 2 W., Salt Lake Meridian, Utah

Reestablishment of the Survey Executed by F. Dickert in 1871, and
the Retracement and the Resurvey Executed by H.D. Heist and
E.V. Woolley in 1906

Beginning at the corner of sections 15, 16, 21, and 22,
monumented with a Millard County survey monument, an aluminum
drive rod, 1 1/4 inches diameter, firmly set, in a mound of
stone, 2 ft. base, to top of aluminum cap 3 1/4 inches diameter
marked LS162522 T19S 16 15 21 22 R2W 2006.

The monument is accepted as a careful and faithful determination
of the position of the corner.

The marked stone was found alongside the corner.

Corner falls on a slight southeast slope.

N.0°07.4'W., between sections 15 and 16.

20.105 Point for the S 1/16 section corner of sections 15 and 16.

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

S 1/16
S16|S15
2011

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

Corner falls 10.7 ft. north of a fence line extending east and
west, on flat ground in tall grass.

40.210 Point for the 1/4 section corner of sections 15 and 16, at
proportionate distance; there is no remaining evidence of the
original corner. Corner falls in State Route 63.

Set a PK Nail 3 inches below road surface.

from which

Set an aluminum post, 30 inches long, 2 1/2 inches diameter,
22 inches in the ground, in a mound of stone 2 ft. base, to
top of aluminum cap, for a reference monument, bears N.
52°5' E., 1.803 chains distance, with aluminum cap marked
RM 1/4 S 15 119.0 FT. TO COR 2011, and an arrow pointing to
the true corner point.

Set a steel fence post alongside, and buried a magnet at the base

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,
TOWNSHIP 19 SOUTH, RANGE 2 WEST, SALT LAKE MERIDIAN, UTAH

CHAINS

of the aluminum post.

Corner falls on a light southeast slope.

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 22 inches in the ground, for a reference monument, bears N. 72°8' W., 0.550 chain distance, with aluminum cap marked RM 1/4 S 16 36.3 FT. TO COR 2011, and an arrow pointing to the true corner point.

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

Corner falls between S.R. 63 and a main dirt road.

- 80.120** The corner of sections 9, 10, 15, and 16, monumented with a Millard County survey monument, an aluminum pipe, 1 inch diameter, firmly set in a mound of stone 3 ft. base, to top of aluminum cap, 3 1/4 inches diameter marked MILLARD COUNTY T19S R2W 9 10 16 15 2006 LS162522.

The monument, filed as Millard Recorder No. 00164870, is accepted as a careful and faithful determination of the position of the corner.

Found a sandstone, 16x10x6 inches, marked 4 notches and 3 notches on edges alongside the corner.

Corner falls at corner of fences extending north and west.

N.0°07.8'E., between sections 9 and 10.

- 40.185** The 1/4 section corner of sections 9 and 10, monumented with an aluminum pipe, 1 inch diameter, firmly set, projecting 3 inches above the ground, with an aluminum cap, 3 1/4 inches diameter marked MILLARD COUNTY T19S R2W S9 S10 1/4 2006 LS162522.

The monument, filed as Millard Recorder No. 00164869, is accepted as a careful and faithful determination of the position of the corner.

Found a sandstone, 15x10x8 inches, marked 1/4 on face alongside the corner.

Found a mound of stone 3 ft. base by 1 ft. high, southwest of the corner.

Corner falls at corner of fences extending north, south, and west in piñon and juniper growth.

N.0°19.9'E., beginning new measurement.

- 40.056** The corner of sections 3, 4, 9, and 10, monumented with a Millard County survey monument, an aluminum pipe, 1 inch diameter, firmly

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,
TOWNSHIP 19 SOUTH, RANGE 2 WEST, SALT LAKE MERIDIAN, UTAH

CHAINS

set in a mound of stone 2 ft. base, to top of aluminum cap, 3 1/4 inches diameter marked MILLARD COUNTY 4 3 9 10 2006 LS162522.

The monument, filed as Millard Recorder No. 00170305, is accepted as a careful and faithful determination of the position of the corner.

Corner falls on a steep rocky west slope in burn.

Reestablishment of the Survey Executed H.D. Heist and
E.V. Woolley in 1906

N.0°26.3'W., between sections 3 and 4.

- 39.926** The 1/4 section corner of sections 3 and 4, monumented with a Millard County survey monument, an aluminum pipe, 1 inch diameter, firmly set in a mound of stone 2 ft. base, to top of aluminum cap, 3 1/4 inches diameter marked MILLARD COUNTY T19SR2W 4 + 3 1/4 2008 LS162522.

The monument is accepted as a careful and faithful determination of the position of the corner.

Found a sandstone, 16x8x8 inches, marked 1/4 on face alongside the corner.

Corner falls in a clearing extending north and south, in order to construct a fence line to extend north and south, on flat ground in burn/chaining.

N.0°01.8'W., beginning new measurement.

- 40.635** The corner of sections 3, 4, 33, and 34, monumented with a Millard County survey monument, an aluminum pipe, 2 inches diameter, firmly set in a mound of stone 3 ft. base, with an aluminum cap, 3 1/4 inches diameter marked MILLARD COUNTY T18S 33 34 4 3 T19SR2W 2000.

The monument, filed as Millard Recorder No. 00131227, accepted as a careful and faithful determination of the position of the corner.

Found the marked stone, marked 3 notches on east and west edges alongside the corner.

Rehabilitate the mound of stone to 4 ft. base, to top of aluminum cap.

Corner falls in a large cleared strip for a fence line to extend north and south.

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,
TOWNSHIP 19 SOUTH, RANGE 2 WEST, SALT LAKE MERIDIAN, UTAH

CHAINS

Reestablishment of the Survey Executed by F. Dickert in 1871,
and the Retracement and the Resurvey Executed by
H.D. Heist and E.V. Woolley in 1906

From the corner of sections 9, 10, 15, and 16.

N. 89°58.9'W., between sections 9 and 16.

- 39.907** The 1/4 section corner of sections 9 and 16, monumented with a U.S. Forest Service survey monument, an aluminum post, 2 1/2 inches diameter, firmly set in a mound of stone 2 ft. base, with aluminum cap marked:

U.S. DEPT OF AGRICULTURE
T19SR2W
S9
1/4 ———
S16
1993

The monument accepted as a careful and faithful determination of the position of the corner.

Corner falls at end of fence line extending east and west, on flat ground.

S. 89°55.4'W., beginning new measurement.

- 20.106** The W 1/16 section corner of sections 9 and 16, monumented with a U.S. Forest Service survey monument, an aluminum post, 2 1/2 inches diameter, firmly set in a mound of stone 2 ft. base, with aluminum cap marked:

U.S. DEPT OF AGRICULTURE
S9
W 1/16 ———
S16
1993

The monument is accepted as a careful and faithful determination of the position of the corner.

Corner falls in a small swale drains northeast, in a fence line extending north and south.

S. 89°55.8'W., beginning new measurement.

- 20.112** The corner of sections 9 and 16 only, monumented with a U.S. Forest Service survey monument, an aluminum post, 2 1/2 inches diameter, firmly set in a mound of stone 3 ft. base, with aluminum cap marked:

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,
TOWNSHIP 19 SOUTH, RANGE 2 WEST, SALT LAKE MERIDIAN, UTAH

CHAINS

USDA
T19SR2W
S17 | S9
 |
 | S16
1993
CADASTRAL SURVEY
FOREST SERVICE

The monument is accepted as a careful and faithful determination of the position of the corner.

Corner falls on a slight northeast slope.

N.0°51.4'W., on the west boundary of section 9.

- 0.997** The closing corner of sections 8 and 17 only, monumented with a U.S. Forest Service survey monument, an aluminum post, 2 1/2 inches diameter, firmly set in a mound of stone 3 ft. base, with aluminum cap marked:

US DEPT OF AGRICULTURE
T19SR2W
S8
— C |
 C |
S17
1993

The monument is accepted as a careful and faithful determination of the position of the corner.

Found the marked stone clearly marked 4 notches on south and 5 notches on east edges.

Rehabilitate the mound of stone to 4 ft. base, to top of aluminum cap.

Corner falls on a slight northeast slope on the north edge of a small stand of oak brush.

N.0°43.8'E., beginning new measurement.

- 39.313** The 1/4 section corner of section 9 only, monumented with an iron post, 2 1/2 inches diameter, firmly set, projecting 3 inches above the ground with brass cap marked as described in the official record of the 1972 remonumentation.

Remove the marks S8 and add the date 2011 to cap.

Corner falls at corner of fences extending north and east, in a swale drains northeast.

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,
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CHAINS

N.0°12.5'W., beginning new measurement.

- 0.684 Point for the 1/4 section corner of section 8 only, not monumented.
- 40.147 The corner of sections 4 and 9 only, monumented with an iron post, 2 1/2 inches diameter, firmly set, projecting 2 inches above the ground, with brass cap marked as described in the 1972 remonumentation.

Remove the marks S5 and add date 2011 to cap.

Corner falls in a new fence line extending north and south, on flat ground.

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

N.89°52.4'W., between sections 4 and 9.

- 40.046 The 1/4 section corner of sections 4 and 9, monumented with an aluminum pipe, 1 1/4 inches diameter, firmly set, projecting 5 inches above the ground, with an aluminum cap, 3 1/4 inches diameter marked MILLARD COUNTY LS162522 T19S 4 1/4 9 R2W 2006.

The monument, filed as Millard Recorder No. 00170304, is accepted as a careful and faithful determination of the position of the corner.

Corner falls on flat ground in scattering sagebrush.

N.89°52.6'W., beginning new measurement.

- 40.045 The corner of sections 4 and 9 only.

N.0°08.0'E., on the west boundary of section 4.

- 0.526 The closing corner of sections 5 and 8, monumented with a U.S. Forest Service survey monument, an aluminum post, 2 1/2 inches diameter, firmly set, projecting 3 inches above the ground, with aluminum cap marked:

U.S. DEPT OF AGRICULTURE
T19SR2W
S5 |
C |
—C | S4
C |
S8 |
2010
CADASTRAL SURVEY
FOREST SERVICE

The monument is accepted as a careful and faithful determination of the position of the corner.

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,
TOWNSHIP 19 SOUTH, RANGE 2 WEST, SALT LAKE MERIDIAN, UTAH

CHAINS

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

N.0°25.3'W., beginning new measurement.

- 39.616 The 1/4 section corner of sections 4 and 5, monumented with a sandstone, 15x12x6 inches, firmly set, dimly marked 1/4 on west face.

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

T19SR2W
1/4
S5|S4
2011

Deposit the marked stone and set a steel fence post alongside, and buried a magnet at the base of the aluminum post.

Corner falls 1 ft. north of a new fence line extending east and west, and 8 ft. south of a concrete ditch extending east and west.

From this corner, a Millard County survey monument, an aluminum pipe, 2 1/2 inches diameter, firmly set, projecting 6 inches above the ground, with aluminum cap marked MILLARD COUNTY T19S S5 S4 2000, bears S.82°01.0'E., 0.197 chains distance.

This corner set by Millard County was not utilized during the course of this resurvey.

Note: The original corner was found during the 1906 retracement in a fence line extending east and west, at the time of the survey the old fence line had been torn down. The old fence line that was still in existence was tied in. Concluding that the stone was not disturbed during the construction of the new fence or the concrete ditch.

N.0°07.8'E., beginning new measurement.

- 20.027 Point for the N 1/16 section corner of sections 4 and 5, not monumented.

- 40.054 The corner of sections 32, 33, 4, and 5, monumented with an aluminum pipe, 2 inches diameter, firmly set flush with the ground, referenced as described in the official record of the 2008-09 resurvey.

The Subdivision of Section 4,
T. 19 S., R 2 W., Salt Lake Meridian, Utah

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

THE SUBDIVISION OF SECTION 4,
TOWNSHIP 19 SOUTH, RANGE 2 WEST, SALT LAKE MERIDIAN, UTAH

CHAINS

N.0°14.9'W., on the N-S centerline of section 4.

- 40.031 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, 22 inches in the ground, in a mound of stone 2 ft. base, to top of aluminum cap marked:

T19SR2W
C 1/4
S4
2011

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

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

- 60.208 Point for the center N 1/16 section corner of section 4.

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 22 inches in the ground, in a mound of stone 3 ft. base, to top of aluminum cap marked

C
N 1/16 | S4
C
2011

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

Corner falls in a wash drains northwest through a field of sagebrush.

- 80.385 The 1/4 section corner of sections 4 and 33, monumented with an aluminum post, 2 1/2 inches diameter, firmly set in a mound of stone, 2 ft. base to top of aluminum cap marked as described in the official record of the 2008-09 resurvey.

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

N.89°43.2'W., on the E-W centerline of section 4.

- 39.910 The center 1/4 section corner of section 4.
59.991 Point for the center W 1/16 section corner of section 4, not monumented.
80.072 The 1/4 section corner of sections 4 and 5.

From the point for the center W 1/16 section corner of section 4.

N.0°03.5'W., on the N-S centerline of the NW 1/4 of section 4.

THE SUBDIVISION OF SECTION 4,
TOWNSHIP 19 SOUTH, RANGE 2 WEST, SALT LAKE MERIDIAN, UTAH

CHAINS

- 20.102** Point for the NW 1/16 section corner, at intersection with the E-W centerline of the NW 1/4 of section 4.

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 23 inches in the ground, with aluminum cap marked

NW 1/16
S4
2011

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

Corner falls 26 ft. east of a faint dirt road on level ground in a field of sagebrush.

- 40.204** The W 1/16 section corner of sections 4 and 33, monumented with an aluminum post, 2 1/2 inches diameter, firmly set, projecting 2 inches above the ground, with aluminum cap marked as described in the official record of the 2008-09 resurvey.

From the center N 1/16 section corner of section 4.

N.89°55.9'W., on the center E-W centerline of the NW 1/4 of section 4.

- 20.014** The NW 1/16 section corner of section 4.

- 40.028** The point for the N 1/16 section corner of sections 4 and 5.

The Subdivision of Section 9,
T. 19 S., R. 2 W., Salt Lake Meridian, Utah

From the 1/4 section corner of sections 9 and 16.

N.0°07.5'E., on the N-S centerline of section 9.

- 40.214** Point for the center 1/4 section corner, at intersection with the E-W centerline of section 9.

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

T19SR2W
C 1/4
S9
2011

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

Corner falls on flat ground in sagebrush.

THE SUBDIVISION OF SECTION 9,
TOWNSHIP 19 SOUTH, RANGE 2 WEST, SALT LAKE MERIDIAN, UTAH

CHAINS

80.317 The 1/4 section corner of sections 4 and 9.

From the 1/4 section corner of sections 9 and 10.

N.89°56.6'W., on the E-W centerline of section 9.

39.906 The center 1/4 section corner of section 9.

59.818 The center W 1/16 section corner of section 9, monumented with a U.S. Forest Service survey monument, an aluminum post, 2 1/2 inches diameter, firmly set, projecting 4 inches above a mound of stone, 2 ft. base, with aluminum cap marked:

U.S. DEPT. OF AGRICULTURE
CW 1/16
S9 2010

The monument is accepted as a careful and faithful determination of the position of the corner.

Corner falls at corner of fences extending south and west on flat ground.

N.89°55.9'W., beginning new measurement.

19.903 The 1/4 section corner of section 9 only.

From the W 1/16 section corner of sections 9 and 16.

N.0°23.9'E., on the N-S centerline of the SW 1/4 of section 9.

40.260 The center W 1/16 section corner of section 9.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

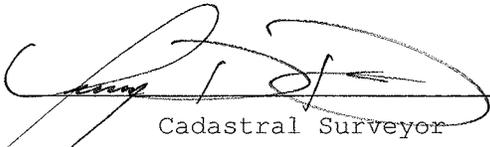
FIELD ASSISTANTS

Name	Capacity
Vincent Porter	Survey Aid
Jacob Murdoch	Survey Technician

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 14, 2011*, I have *dependently resurveyed a portion of the subdivisional lines, and the subdivision of sections 4 and 9, in Township 19 South, Range 2 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.

April 26, 2013
Date

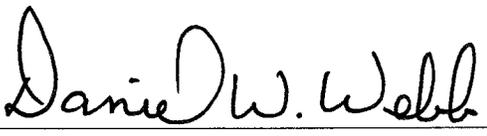

Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT
Salt Lake City, Utah

The foregoing field notes of the *dependent resurvey of a portion of the subdivisional lines, and the subdivision of sections 4 and 9, in Township 19 South, Range 2 West, Salt Lake Meridian, Utah*, executed by *Jeremy D. Davis, Cadastral Surveyor*, having been critically examined and found correct, are hereby approved.

May 14, 2013
Date


Chief Cadastral Surveyor for Utah