

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ORIGINAL

FIELD NOTES

OF

THE DEPENDENT RESURVEY OF
A PORTION OF THE SOUTH AND WEST BOUNDARIES,
A PORTION OF THE SUBDIVISIONAL LINES,
AND THE
SUBDIVISION OF SECTION 31,
IN

TOWNSHIP 23 SOUTH, RANGE 6 WEST

OF THE SALT LAKE MERIDIAN
IN THE STATE OF UTAH

EXECUTED BY

Ronald K. Baugh
Supervisory Cadastral Surveyor

Under Special Instructions dated and approved *October 22, 2007*, which provided for the surveys included under group number *1066*, and Assignment Instructions dated *October 22, 2007* and the Reassignment Instructions dated *January 14, 2008*.

Survey Commenced *October 25, 2007*
Survey Completed *November 10, 2007*

INDEX DIAGRAM

Township 23 South, Range 6 West

6	5	4	3	2	1
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TOWNSHIP 23 SOUTH, RANGE 6 WEST, SALT LAKE MERIDIAN, UTAH

The following field notes are those of the dependent resurvey of a portion of the south and west boundaries, a portion of the subdivisional lines, and the subdivision of section 31, in T. 23 S., R. 6 W., Salt Lake Meridian, Utah.

History of Earlier Surveys

Surveyed by		Retr. or Resurveyed by	
SOUTH BOUNDARY			
All	A.J. Stewart	1876	
Portion			J.W. Dougall 1911
EAST BOUNDARY			
Portion	A.J. Stewart	1876	
Portion	A. Jessen	1876	
WEST BOUNDARY			
All	A.J. Stewart	1876	
Portion			M.R. Workman 1972-73
NORTH BOUNDARY			
Portion	A.J. Stewart	1876	
Portion	A. Jessen	1879	
Portion			J.L. Thomas and F.R. Chappell 1968-72
Portion			G.E. Reynold 1986
SUBDIVISION			
Portion	A.J. Stewart	1876	
Portion	A. Jessen	1879	
Portion			G.E. Reynolds 1986
CORN CREEK IND. RESERVATION			
All	J. Clark	1865-66	

TOWNSHIP 23 SOUTH, RANGE 6 WEST, SALT LAKE MERIDIAN, UTAH

The survey was executed in accordance with the specifications set forth in the Manual of Surveying Instructions, 1973, and the Special instructions for Group No. 1066, dated October 22, 2007.

The directions of the lines were determined by references to the true meridians, established by the Global Positioning System (GPS) utilizing Real-time Kinematics (RTK) techniques throughout the survey. The positional accuracy of this survey complies with the *Standards and Guidelines for Cadastral Surveys Using Global Positioning System Methods, dated May 9, 2001, Version 1.0*. Trimble Model 5800 GPS receivers were used for field collection. Geographic Measurement Management (GMM) software was the primary software utilized for project calculations.

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

Cadastral Control Network was derived from GPS static observations, post processed by the National Geodetic Survey, Online Positioning User Service, (OPUS), utilizing Continuously Operating Reference Stations (CORS); MARYSVALE_UT2006 CORS ARP, DELTAMUNI_UT2004 CORS ARP, ECHO_BRGN_NV1999 CORS ARP, CARBON COUNTY COU CORS ARP, FREDONIA CORS ARP, KENNECOTT1UT2005 CORS ARP, EGAN_BRGN_NV1996 CORS ARP, and MIDVALE CORS ARP.

The geographic position of the section corner of sections 31 and 32 only, Township 23 South, Range 6 West, on the south boundary of the township, as determined by direct RTK methods from the National Geodetic Survey OPUS solution, is as follows:

Latitude: 38°45'35.439" N., Longitude: 112°33'41.444" W.,
N.A.D. 83, Network Accuracy = 0.200 meter at 95% confidence.

CHAINS

DEPENDENT RESURVEY OF A PORTION OF THE SOUTH BOUNDARY,
TOWNSHIP 23 SOUTH, RANGE 6 WEST, SALT LAKE MERIDIAN, UTAH

Dependent Resurvey of a portion of the South Boundary,
T. 23 S., R 6 W., Salt Lake Meridian, Utah

Reestablishment of the Survey Executed by A.J. Stewart in 1876
and the Resurvey Executed by J.W. Dougall in 1911.

Beginning at the section corner of section 31 and 32 only, on the south boundary of the township, monumented with an iron post, 3 inches diameter, firmly set, projecting 10 inches from the ground, with brass cap marked as described in the official record of the 1911 resurvey.

Set a T-post alongside corner.

A fence, extending north and south, is 3 feet west of corner.

N. 89°27.1' W., on the south boundary of section 31.

- 1.486** Point for the closing corner of sections 5 and 6, T. 24 S., R. 6 W., at proportionate distance; found an iron post, 2 inches diameter, laying on the ground, with brass cap marked as described in the official record of the 1911 survey.

Set the iron post, over a magnet, 28 inches in the ground.

Set a T-post alongside corner.

- 40.520** The 1/4 section corner of section 31 only, monumented with an iron post, 1 inch diameter, firmly set, projecting 12 inches from the ground, with brass cap marked as described in the official record of the 1911 survey. This monument previously functioned as the 1/4 section corner of sections 6 and 31. Remove S6 and add the year 2007 to the brass cap.

Set a T-post alongside corner.

N. 89°42.4' W., beginning new measurement,

- 0.730** Point for the 1/4 section corner for section 6 only, T. 24 S., R. 6 W., at midpoint between the closing corner for sections 5 and 6 and the corner of Townships 23 and 24 S., Ranges 6 and 7 W.

Set aluminum post, 30 inches long, 2 1/2 inches diameter, 26 inches in the ground, with aluminum cap marked:

DEPENDENT RESURVEY OF A PORTION OF THE SOUTH BOUNDARY,
TOWNSHIP 23 SOUTH, RANGE 6 WEST, SALT LAKE MERIDIAN, UTAH
CHAINS

T23S R6W
1/4—
S6
T24S R6W
2007

Set a T-post alongside corner.

Corner falls in flat, grassy field.

- 20.248 Point for the W 1/16 section corner of section 31 only.

Set an aluminum post, 30 inches long, 2 1/2 inches diameter,
over a magnet, 28 inches in the ground, with aluminum cap
marked:

T23SR6W
S31
W1/16—
T24S
2007

Set a T-post alongside corner.

Corner is located at the intersection of fences extending
south and west.

- 20.613 Point for the W 1/16 section corner of section 6 only, T. 24
S., R. 6 W.

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

T23S
W1/16—
S6
T24S R6W
2007

Set a T-post alongside corner.

- 40.496 The corner of Townships 23 and 24 S., Ranges 6 and 7 W.,
monumented with an iron post, 3 inches diameter, firmly set,
projecting 7 inches from the ground, with T-post alongside,
and brass cap marked as described in the official record of
the 1911 resurvey.

Corner is located at the intersection of fences running north
and east.

CHAINS

DEPENDENT RESURVEY OF A PORTION OF THE WEST BOUNDARY,
TOWNSHIP 23 SOUTH, RANGE 6 WEST, SALT LAKE MERIDIAN, UTAH

Dependent Resurvey of a portion of the West Boundary,
T. 23 S. R. 6 W., Salt Lake Meridian, Utah

Reestablishment of the Survey Executed by A.J. Stewart in 1876
and the Resurvey Executed by M. R. Workman in 1972-73.

From the corner of Townships 23 and 24 S., Ranges 6 and 7 W.,
hereinbefore described.

N. 0°27.5' E., between sections 31 and 36.

- 20.381** Point for the S 1/16 section corner of sections 31 and 36, not
monumented.
- 40.762** The 1/4 section corner for sections 31 and 36, monumented with
an iron post, 2 1/2 inches diameter, firmly set, projecting 10
inches above the ground, with T-post alongside and brass cap
marked as described in the official record of the 1972-73
resurvey.

Corner is located in a north-south fence line.

Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 23 S. R. 6 W., Salt Lake Meridian, Utah

Reestablishment of the Survey Executed by
A.J. Stewart in 1876.

From the corner of sections 31 and 32 only, on the south
boundary of the township, hereinbefore described.

N. 0°13.4' E., between sections 31 and 32,

- 40.941** The 1/4 section corner of sections 31 and 32, monumented with
a sandstone, 11 X 6 X 4 inches, firmly set, plainly marked 1/4
on west face, with a 3 inches diameter cedar alongside.

At the corner point

Set an aluminum post, 30 inches long, 2 1/2 inches diameter,
over a magnet, 26 inches in the ground, with aluminum cap
marked:

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,
 CHAINS TOWNSHIP 23 SOUTH, RANGE 6 WEST, SALT LAKE MERIDIAN, UTAH

T23SR6W
 1/4
 S31 | S32
 2007

Deposit marked stone and set T-post alongside corner.

A fence extending north-south is 2 1/2 feet east of corner.

N. 0°20.8' E., beginning new measurement.

- 40.825 The corner of sections 29, 30, 31, and 32, at the intersection of fences extending north, south, and west. This position is harmoniously related to existing original corners and is accepted as the best available evidence of the original corner.

At the corner point

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, over a magnet, 28 inches in the ground, with aluminum cap marked:

T23SR6W
 S30 | S29
 S31 | S32
 2007

Set a T-post alongside corner.

N. 89°44.2' W., between sections 30 and 31.

- 40.313 Point for the 1/4 section corner of sections 30 and 31, at proportionate distance; there is no remaining evidence of the original corner, not monumented.
- 80.778 The section corner of sections 25, 30, 31, and 36, on the west boundary of the township, monumented with an iron post, 2 1/2 inches diameter, firmly set, projecting 10 inches above the ground, with brass cap marked as described in the official record of the 1972-73 resurvey.

Corner is located in a fence extending east-west. A fence intersection, extending east, west, and south is 4 feet east of the corner.

THE SUBDIVISION OF SECTION 31,
TOWNSHIP 23 SOUTH, RANGE 6 WEST, SALT LAKE MERIDIAN, UTAH

CHAINS

The Subdivision of section 31,
T. 23 S., R. 6 W., Salt Lake Meridian, Utah

From the 1/4 section corner of section 31 only, on the south boundary of the township, hereinbefore described.

N. 0°25.4' E., on the N-S centerline of section 31.

- 20.381** Point for the center S 1/16 section corner of section 31, not monumented.
- 40.762** Point for the center 1/4 section corner of section 31, at the intersection with E-W centerline, not monumented.
- 81.565** The point for the 1/4 section corner of sections 30 and 31.

From the 1/4 section corner of sections 31 and 32.

N. 89°42.4' W., on the E-W centerline of section 31.

- 40.372** The point for the center 1/4 section corner of section 31.
- 60.566** Point for the center west 1/16 section corner of section 31, not monumented.
- 80.837** The 1/4 section corner of sections 31 and 36, on the west boundary of the township, hereinbefore described.

From the W 1/16 section corner of section 31 only, on the south boundary of the township, hereinbefore described.

N. 0°29.7' E., on the N-S centerline of the southwest quarter of section 31.

- 20.381** Point for the SW 1/16 section corner of section 31, at the intersection with E-W centerline of the southwest quarter of section 31.

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, over a magnet, 28 inches in the ground, with aluminum cap marked:

T23SR6W
SW 1/16
S31
2007

THE SUBDIVISION OF SECTION 31,
TOWNSHIP 23 SOUTH, RANGE 6 WEST, SALT LAKE MERIDIAN, UTAH

CHAINS

Set a T-post alongside the corner.

40.762 The point for the center W 1/16 section corner of section 31.

From the point for the center S 1/16 section corner of section 31.

N. 89°42.4' W., on the E-W centerline of the southwest quarter of section 31.

20.221 The SW 1/16 section corner of section 31.

40.480 The point for the S 1/16 section corner of sections 31 and 36 on the west boundary of the township, hereinbefore described.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

Name	Capacity
Tyler Trujillo	Cadastral Surveyor
Leland Parazoo	Survey Technician
Douglas Crawford	Survey Technician

CERTIFICATE OF SURVEY

I, **Ronald K. Baugh, Supervisory Cadastral Surveyor**, HEREBY CERTIFY upon honor, that in pursuance of Special Instructions bearing the date of the **22nd day of October, 2007**, have **dependently resurveyed a portion of the south and west boundaries, a portion of the subdivisional lines, and subdivided section 31, in Township 23 South, Range 6 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 of the Survey of the Public Lands of the United States, and in specific manner described in the foregoing field notes.

July 29, 2009

Date

Ronald K. Baugh
(Supervisory 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 and west boundaries, portion of the subdivisional lines, and the subdivision of section 31, in Township 23 South, Range 6 West, Salt Lake Meridian, Utah**, executed by **Ronald K. Baugh, Supervisory Cadastral Surveyor**, having been critically examined and found correct, are hereby approved.

August 12, 2009

Date

Daniel W. Webb

(Chief Cadastral Surveyor for Utah)