

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ORIGINAL

FIELD NOTES

OF

THE DEPENDENT RESURVEY OF

A PORTION OF THE SUBDIVISIONAL LINES,

IN

TOWNSHIP 2 SOUTH, RANGE 7 WEST,

OF THE SALT LAKE MERIDIAN
IN THE STATE OF UTAH

EXECUTED BY

Daniel T. Gillins
Cadastral Surveyor

Under Special Instructions dated and approved *September 23, 2009*, which provided for the surveys included under Group No. *1129*, and Assignment Instructions dated *September 23, 2009*.

Survey Commenced, *November 2, 2009*
Survey Completed, *November 3, 2009*

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INDEX DIAGRAM

Township 2 South, Range 7 West

6	5	4	3	2	1
7	8	9	10	11	12
18 4	17	16	15	14	13
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TOWNSHIP 2 SOUTH, RANGE 7 WEST, SALT LAKE MERIDIAN, UTAH

The following field notes are those of the dependent resurvey of a portion of the subdivisional lines, in Township 2 South, Range 7 West, Salt Lake Meridian, Utah.

History of Earlier Surveys

Surveyed by	Retr. Or Resurveyed by		
SOUTH BOUNDARY			
Portion J. Gorlinski	1877		
Portion R.C. Yundt & D. Broun	1937		
Portion		R.K. Baugh	2004
EAST BOUNDARY			
All J.R. Stewart & C.L. Heist	1912		
All		D.T. Gillins & R.K. Baugh	2007
WEST BOUNDARY			
All J. Gorlinski	1871		
Portion		R.K. Baugh	2004
Portion		D.T. Gillins & R.K. Baugh	2007
Portion		D.T. Gillins	2009
NORTH BOUNDARY			
Portion J. Gorlinski	1871		
All A.J. Stookey	1906	A.J. Stookey	1906
Portion		R.C. Yundt & D. Broun	1937
Portion		D.T. Gillins	2009
SUBDIVISION			
Portion J. Gorlinski	1877		
Portion R.C. Yundt & D. Broun	1937	R.C. Yundt & D. Broun	1937
Portion		R.K. Baugh	2004
Portion		D.T. Gillins	2009

TOWNSHIP 2 SOUTH, RANGE 7 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. 1129, dated September 23, 2009.

The direction of the lines was determined by references to true meridians, established by Global Positioning System (GPS) utilizing Real-Time Kinematic (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 R8 Model 2 (GLONASS) GPS receivers were used for field collection. Cadastral Automated Plat Drafting (CAPD) software was the primary software utilized for the project calculations.

Preliminary to the resurvey, the lines of the prior surveys were retraced and 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 of the 1/4 section corner of sections 7 and 18, T. 2 S., R. 7 W., post processed by the National Geodetic Survey, Online Positioning User Service (OPUS), utilizing Continuously Operating Reference Stations (CORS): KENNECOTT1UT2005 CORS ARP, SALT LAKE CITY CORS ARP, and SALT LAKE WAAS 1 CORS ARP.

The geographic position of the 1/4 section corner of sections 7 and 18, T. 2 S., R. 7 W., as determined by direct RTK methods from the National Geodetic Survey OPUS solution, is as follows:

Latitude: 40°39'04.490" N.

Longitude: 112°40'34.699" W.

N.A.D. 1983, Network Accuracy = 0.100 meter at 95% confidence.

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES IN
 CHAINS TOWNSHIP 2 SOUTH, RANGE 7 WEST, SALT LAKE MERIDIAN, UTAH

Dependent Resurvey of a Portion of the Subdivisional Lines in
 Township 2 South, Range 7 West, Salt Lake Meridian, Utah.

Reestablishment of the Survey Executed by
 J. Gorlinski in 1877, and the Resurvey Executed
 by R.C. Yundt and D. Broun in 1937

Beginning at the corner of sections 30 and 31 only, monumented with an iron post, 2 inches diameter, firmly set, projecting 5 inches above the ground, with brass cap marked as described in the official record of the 1937 resurvey, with a mound of stone, 3 ft. base, 1 ft. high, west of corner.

Set a steel fence post alongside iron post.

N. $0^{\circ}10.9'$ E., on the east boundary of section 30.

- 33.384 The 1/4 section corner of section 29 only, monumented with an iron post, 1 inch diameter, loosely set, projecting 18 inches above the ground, in a scattered mound of stone, with brass cap marked as described in the official record of the 1937 resurvey.

Rebuild mound of stone, 3 ft. base, around iron post to top.

Set a steel fence post alongside iron post.

- 40.121 The 1/4 section corner of section 30 only, 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 1937 resurvey, with a mound of stone, 3 ft. base, 2 ft. high, west of corner.

Set a steel fence post alongside iron post.

N. $0^{\circ}32.6'$ E., beginning new measurement.

- 33.350 The closing corner of sections 20 and 29, monumented with an iron post, 2 inches diameter, firmly set, projecting 8 inches above a mound of stone, 3 ft. base, 6 inches high, with brass cap marked as described in the official record of the 1937 survey.

Set a steel fence post 2 ft. east of iron post.

- 40.142 The corner of sections 19 and 30 only, monumented with an iron post, 2 inches diameter, firmly set, in a mound of stone, 3 ft. base, 4 inches high to top of brass cap marked as described in the official record of the 1937 resurvey.

Set a steel fence post alongside iron post.

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 CHAINS TOWNSHIP 2 SOUTH, RANGE 7 WEST, SALT LAKE MERIDIAN, UTAH

N. 0°08.7' W., on the east boundary of section 19.

- 33.185 The 1/4 section corner of section 20 only, monumented with an iron post, 1 inch diameter, firmly set, projecting 8 inches above a mound of stone, 3 ft. base, 4 inches high, with brass cap marked as described in the official record of the 1937 resurvey.

Raise mound of stone, 3 ft. base, around iron post to top.

Set a steel fence post alongside iron post.

- 40.083 The 1/4 section corner of section 19 only, 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 1937 resurvey.

Raise mound of stone, 3 ft. base, around iron post to top.

Set a steel fence post alongside iron post.

Corner is located on a west-facing, rocky slope.

N. 0°23.4' E., beginning new measurement.

- 33.101 The closing corner of sections 17 and 20 only, monumented with an iron post, 2 inches diameter, firmly set, projecting 4 inches above the ground, with brass cap marked as described in the official record of the 1937 survey, with a mound of stone, 4 ft. base, 1 ft. high, east of corner.

Set a steel fence post alongside iron post.

Corner is located 117 ft. south of a barbed wire fence extending northwest and southeast.

- 40.360 The corner of sections 18 and 19 only, monumented with an iron post, firmly set, projecting 5 inches above the ground, with brass cap marked as described in the official record of the 1937 resurvey, with a mound of stone, 4 ft. base, 1 ft. high, west of corner.

Set a steel fence post alongside iron post.

Corner is located 363 ft. north of a barbed wire fence extending northwest and southeast.

N. 0°16.4' E., on the east boundary of section 18.

- 33.032 The 1/4 section corner of section 17 only, monumented with an iron post, 1 inch diameter, firmly set, projecting 12 inches above a mound of stone, 4 ft. base, 10 inches high, with brass

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cap marked as described in the official record of the 1937 resurvey.

Raise mound of stone, 4 ft. base, around iron post to top.

Set a steel fence post alongside iron post.

- 40.198** The 1/4 section corner of section 18 only, monumented with an iron post, 1 inch diameter, firmly set projecting 6 inches above the ground, with brass cap marked as described in the official record of the 1937 resurvey, with a mound of stone, 4 ft. base, 1 ft. high, west of corner.

Set a steel fence post alongside iron post.

N. 0°17.2' E., beginning new measurement.

- 32.816** The closing corner of sections 8 and 17 only, monumented with an iron post, 2 inches diameter, firmly set, projecting 4 inches above the ground, with brass cap marked as described in the official record of the 1937 survey, with a mound of stone, 4 ft. base, 1 ft. high, east of corner.

Set a steel fence post alongside iron post.

- 40.171** The corner of sections 7 and 18 only, monumented with an iron post, 2 inches diameter, firmly set, projecting 4 inches above the ground, with brass cap marked as described in the official record of the 1937 resurvey, with a steel fence post alongside and a mound of stone, 3 ft. base, 1 ft. high, west of corner.

From this corner, the 1/4 section corner of sections 7 and 18, bears N. 89°51.6' W., 40.074 chains distance, monumented with an aluminum post, 2 1/2 inches diameter, 6 inches above the ground, firmly set, in a mound of stone, 3 ft. base to top of aluminum cap marked as described in the official record of the 2009 resurvey.

Reestablishment of the Survey Executed
by R.C. Yundt & D. Broun in 1937

From the 1/4 section corner of sections 20 and 21, monumented with an iron post, 1 inch diameter, firmly set, projecting 6 inches above the ground, with brass cap marked as described in the official record of the 1937 survey.

Corner is located online of a barbed wire fence extending north and south.

N. 0°01.8' W., between sections 20 and 21.

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- 39.986** The corner of sections 16, 17, 20, and 21, monumented with an iron post, 2 inches diameter, firmly set, projecting 6 inches above the ground, with brass cap marked as described in the official record of the 1937 survey.
- Corner is located online of a barbed wire fence extending north and south on a rocky, south-facing slope above Muskrat Canyon.
-
- S. 89°59.6' W.**, between sections 17 and 20.
- 39.989** The 1/4 section corner of sections 17 and 20, monumented with an iron post, 1 inch diameter, firmly set, projecting 4 inches above the ground, in a collar of stone, 2 ft. base, with brass cap marked as described in the official record of the 1937 survey.
- Set a steel fence post alongside iron post.
-
- N. 89°59.9' W.**, beginning new measurement.
- 43.475** The closing corner of sections 17 and 20.
-
- From the 1/4 section corner of sections 8 and 17, monumented with an iron post, 1 inch diameter, firmly set, projecting, 8 inches above the ground, with brass cap marked as described in the official record of the 1937 survey.
- Set a steel fence post alongside iron post.
- Corner is located on a rocky, steep, west facing slope.
- N. 89°44.9' W.**, between sections 8 and 17.
- 42.956** The closing corner of sections 8 and 17.
-
- Reestablishment of the Survey Executed by J. Gorlinski in 1877
-
- From the corner of sections 19 and 30 only.
- N. 89°39.7' W.**, between sections 19 and 30.
- 40.020** The 1/4 section corner of sections 19 and 30, monumented with a limestone, 16 X 8 X 7 inches, firmly set, projecting 8 inches above the ground, plainly marked 1/4 on north face, with a mound of stone, 2 ft. base, 1 ft. high, northwest of corner.
- At the corner point
- Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 27 inches in the ground, magnet at base, with aluminum cap marked:

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T2SR7W
 S 19
 1/4 ———
 S 30
 2009

Bury the marked stone inverted, alongside aluminum post.

Set a steel fence post alongside aluminum post.

Rebuild mound of stone, 2 ft. base, 1 ft. high, north of corner.

Corner is located 60 ft. south of centerline of a dirt road,
 bears northeast and southwest.

N. 89°32.8' W., beginning new measurement.

39.338 The corner of sections 19, 24, 25, and 30, on the west boundary
 of the township, monumented with an aluminum post, 2 1/2 inches
 diameter, firmly set, in a mound of stone, 3 ft. base, 16 inches
 high to top of aluminum cap marked as described in the official
 record of the 2007 resurvey, with a steel fence post alongside.

From the corner of sections 18 and 19 only.

N. 89°46.1' W., between sections 18 and 19.

39.721 The 1/4 section corner of sections 18 and 19, monumented with a
 quartzite stone, 13 X 12 X 8 inches, firmly set, in a mound of
 stone, 3 ft. base, 6 inches high, dimly marked 1/4 on north
 face.

At the corner point

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

T2SR7W
 S 18
 1/4 ———
 S 19
 2009

Bury the marked stone inverted, alongside aluminum post.

Set a steel fence post alongside aluminum post.

Rebuild mound of stone, 3 ft. base, 1 ft. high, north of corner.

N. 89°35.4' W., beginning new measurement.

39.709 The corner of sections 13, 18, 19, and 24, on the west boundary

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of the township, monumented with an aluminum post, 2 1/2 inches diameter, firmly set, in a mound of stone, 3 ft. base, 10 inches high to top of aluminum cap marked as described in the official record of the 2007 resurvey, with a steel fence post alongside.

UNITED STATES
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FIELD ASSISTANTS

Name	Capacity
Robert Robbins	Survey Aid

CERTIFICATE OF SURVEY

I, Daniel T. Gillins, *Cadastral Surveyor*, HEREBY CERTIFY upon honor, that in pursuance of Special Instructions bearing the date of the *23rd day of September, 2009*, I have *dependently resurveyed a portion of the subdivisional lines, in Township 2 South, Range 7 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.

January 28, 2011

Date

Daniel T. Gillins

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, in Township 2 South, Range 7 West, Salt Lake Meridian, Utah*, executed by *Daniel T. Gillins, Cadastral Surveyor*, having been critically examined and found correct, are hereby approved.

March 21, 2011

Date

Daniel W. Webb

Chief Cadastral Surveyor for Utah