

R-602

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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ORIGINAL

FIELD NOTES

OF

THE DEPENDENT RESURVEY OF

A PORTION OF THE NORTH BOUNDARY

(EIGHTH STANDARD PARALLEL SOUTH)

A PORTION OF THE SUBDIVISIONAL LINES,

THE NORTH SOUTH CENTER LINE OF SECTION 5,

AND THE SUBDIVISION SURVEY OF SECTION 5,

AND A METES AND BOUNDS SURVEY IN SECTION 5,

OF

TOWNSHIP 41 SOUTH, RANGE 11 WEST

OF THE SALT LAKE MERIDIAN
IN THE STATE OF UTAH

EXECUTED BY

Larry V. Judd
Cadastral Surveyor

Under special instructions dated *April 30, 1997*, approved May 5, 1997, which provided for the surveys included under Group Number *870*, and assignment instructions dated *May 5, 1997*

Survey commenced *July 8, 1997*
Survey completed *July 17, 1997*

INDEX DIAGRAM

Township 41 South, Range 11 West

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TOWNSHIP 41 SOUTH, RANGE 11 WEST, SALT LAKE MERIDIAN, UTAH

CHAINS

The following field notes describe the dependent resurvey of a portion of the north boundary, (Eighth Standard Parallel South), a portion the subdivisional lines, the north south center line of section 5, and the subdivision survey of section 5, and a metes and bounds survey in section 5, of Township 41 South, Range 11 West, Salt Lake Meridian, Utah.

History of Surveys

	Surveyed by		Retr. or Resurveyed by	
NORTH BOUNDARY (Eighth Standard Parallel South)				
Portion	J.G. Burrill	1877		
Portion	A.D. Ferron	1877		
Portion	Collier & Gentry	1909	Collier & Gentry	1909
Portion			Nelson & Stumm	1911
Portion	J.W. Dougall	1916	J.W. Dougall	1916
Portion			G.V. Olson	1970
Portion			R.A. Zaninovich	1988
SOUTH BOUNDARY				
All	Bailey & Burrill	1877		
All			Collier & Gentry	1909
Portion			R.A. Zaninovich	1983
EAST BOUNDARY				
Portion	Collier & Gentry	1909		
WEST BOUNDARY				
Portion	Bailey & Burrill	1877		
All	Collier & Gentry	1909	Collier & Gentry	1909
Portion			R.A. Zaninovich	1983
Portion			D.A. Buhler	1983
SUBDIVISION				
Portion	Bailey & Burrill	1877		
Portion	Collier & Gentry	1910	Collier & Gentry	1910
Portion	G.V. Olson	1970		
Portion			R.A. Zaninovich	1983

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. 870 Utah, dated April 30, 1997.

DEPENDENT RESURVEY OF A PORTION OF THE NORTH BOUNDARY,
 (EIGHTH STANDARD PARALLEL SOUTH)
 T. 41 S., R. 11 W., SALT LAKE MERIDIAN, UTAH

CHAINS

The directions of lines were determined by references to true meridians established on line by hour angle observations of the sun and Polaris. The lines were carried forward by sustained angulations, being supplemented by other observations taken throughout the progress of the survey. Distances were determined by electronic measurement.

Preliminary to the resurvey, the lines of the original survey were retraced and a diligent search was made for any evidence of the original field note record. The retracement data were thoroughly verified and only the true line notes are given herein.

The geographic position of the 1/4 section corner of sections 5 and 8, as determined by an indirect tie to U.S. Geological Survey Triangulation Station "CRATER HILL (BESS)" is:

Latitude: 37°14' 35.83" N. Longitude: 113°07' 03.96" W.
 N.A.D. 1927.

The mean magnetic declination as projected from the U.S. Geological Survey Magnetic Declination Map of 1990 is: 13 1/2° East.

Dependent Resurvey of a Portion of the North Boundary
 (Eighth Standard Parallel South)
 T. 41 S., R. 11 W., Salt Lake Meridian, Utah

Reestablishment of the Survey Executed by J. G. Burrill in 1877,
 the Survey and Resurvey by Collier & Gentry in 1909,
 and the Resurveys by Nelson & Stumm in 1911,
 G. V. Olson in 1970 and R.A. Zaninovich in 1988.

Beginning at the Standard corner of sections 32 and 33 only, monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, projecting 4 ins. above ground, with a mound of stone 4 ft. base, by 2 ft. high N of the stainless steel post, and with the brass cap marked as described in the official record of the resurvey by R.A. Zaninovich in 1988.

S. 89°58.2' W., on the south boundary of section 32, T. 40 S., R. 11 W.

2.060 Intersection point for the closing corner of sections 4 and 5; not monumented.

From this point, the closing corner of sections 4 and 5, monumented with an iron post, 2 ins. diam., firmly set in a mound of stone, with the brass cap marked as described in the official record of the resurvey by G.V. Olson in 1970, bears S. 0°04.9' W., 0.077 chains distance,

The original bearing trees were found, but not retied.

9.001 The Angle Point between sections 5 and 32, monumented with an iron post, 3 ins. diam., firmly set in a mound of stone 4 ft. base, by 4 ft. high, with the brass cap marked as described in the official record of the resurvey by G.V. Olson in 1970.

DEPENDENT RESURVEY OF A PORTION OF THE NORTH BOUNDARY,
 (EIGHTH STANDARD PARALLEL SOUTH)
 T. 41 S., R. 11 W., SALT LAKE MERIDIAN, UTAH

CHAINS

from which the original bearing trees

A juniper, 14 ins. diam., bears N. 75° 45' E., 82 lks. dist.,
 with scribe marks visible.

A pinon, 12 ins. diam., bears N. 30° 15' W., 67 lks. dist.,
 with scribe marks visible.

N. 89°58.6' W., beginning new measurement.

22.616 Point selected for Angle Point No. 1, a corner point of a metes and bounds survey
 in section 5, hereinafter described.

32.982 True point for the 1/4 section corner of section 5 only; not monumented.

From this point, the 1/4 section corner of section 5 only, monumented with an iron post, 2 ½ ins.
 diam., firmly set flush with the ground, with the brass cap marked as described in the official
 record of the survey by G. V. Olson in 1970, bears S. 0°02.5' E., 0.028 chains distance.

The corner falls on the S edge of a ditch, 6 ft. N of the edge of a improved road, 14 ft. wide bears
 N. 20° E., and S. 20° W.

39.901 Point for the Standard 1/4 section corner of section 32 only, at proportionate distance. No
 remaining evidence of the original corner was found.

Set a stainless steel post, 30 ins. long, 2 ½ ins. diam., 28 ins. in the ground, with the brass cap
 marked:

SC
 T40S R11W
1/4 S 32
 T41S
 1997

The corner falls within a pasture, 16 ft. N of a board fence, bears N. 77° W., and S. 77° E.

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

33.015 Intersection point for the closing corner of sections 5 and 6; not monumented.

From this point, the closing corner of sections 5 and 6, monumented with an iron post, 2 ins.
 diam., firmly set, projecting 8 ins. above ground, with the brass cap marked as described in the
 official record of the survey by Collier and Gentry in 1909, bears N. 0°03.3' E., 0.072 chains
 distance.

The corner falls at the base of the upper ring of lava ledges.

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL
LINES, T. 41 S., R. 11 W., SALT LAKE MERIDIAN, UTAH

CHAINS

- 39.991** The Standard corner of sections 31 and 32 only, monumented with an iron post, 3 ins. diam., firmly set, projecting 10 ins. above a mound of stone, with the brass cap marked as described in the official record of the resurvey by Collier and Gentry in 1909.

Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 41 S., R. 11 W., Salt Lake Meridian, Utah

Reestablishment of the Survey Executed by Collier & Gentry in 1909.

From the 1/4 section corner of sections 4 and 5, monumented with an iron post, 1 inch in diam., firmly set, projecting 8 ins., above ground, set in a mound of stone, with the brass cap marked as described in the official record of the survey by Collier and Gentry in 1909.

From which

A pinon, 18 ins. diam., marked 1/4 S4 BT, bears N. 4°30' E.,
17 lks. distance.

A pinon, 24 ins. diam., leaning W, on edge of drainage, marked 1/4 S5 BT,
bears N. 30° W., 54 lks. distance.

The corner falls on a steep rocky NW slope, set in the bottom of a narrow drainage course NW.
N. 0°04.9' E., between sections 4 and 5.

- 45.190** The monumented closing corner of sections 4 and 5; hereinbefore described.

- 45.267** Intersection point for the closing corner of sections 4 and 5; hereinbefore described.
-

From the 1/4 section corner of sections 5 and 6, monumented with an iron post, 1 inch in diam., firmly set, projecting 15 ins., above ground, with a mound of stone, 3 ft. base, by 2 ft. high to the S, and with the brass cap marked as described in the official record of the survey by Collier and Gentry in 1909.

The original bearing trees were both found at record bearing and distance.

N. 0°03.3' E., between sections 5 and 6.

- 20.132** Point for the N 1/16 section corner of sections 5 and 6.

Set a rebar, 8 ins. long, 3/4 ins. diam., drilled 8 ins. into a solid sandstone boulder, 20x15x10 ft. above ground with a 3 1/4 inch diam., aluminum cap attached to the rebar and marked:

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL
LINES, T. 41 S., R. 11 W., SALT LAKE MERIDIAN, UTAH

CHAINS

N 1/16
S6 | S5
1997

The corner falls on a steep NW slope.

45.256 Intersection point for the closing corner of sections 5 and 6, hereinbefore described.

Dependent Resurvey of the North South Center Line of Section 5,
T. 41 S., R. 11 W., Salt Lake Meridian, Utah

Survey Executed by G.V. Olson in 1970

From the 1/4 section corner of sections 5 and 8, monumented with an iron post, 1 inch in diam., firmly set, projecting 8 ins., above ground, with the brass cap marked as described in the official record of the survey by Collier and Gentry in 1909.

The corner falls in a Zion National Park boundary fence line, projecting N and S.

From this corner, U.S. Geological Survey Triangulation Station, "CRATER HILL (BESS)", monumented with a copper disk as described by the official 1954 U.S.G.S. survey record, bears S. 19° 55.0' E., (B.S., N. 19° 54.5' W.), 194.430 chains distance.

N. 0°02.5' W., on the N - S center line of section 5.

39.956 Point for the center 1/4 section corner at intersection with the E - W center line of section 5.

Set an aluminum post, 30 ins. long, 2 1/2 ins. diam., 18 ins. in the ground, set in a mound of stone, 4 ft. base to top of aluminum cap marked:

T41S R11W
C 1/4 S5
1997

The corner falls 8 ft. W of a Zion National Park boundary post, on top of a ridge, that bears W.

60.084 Point for the center N 1/16 section corner of section 5.

Set an aluminum post, 30 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, with the aluminum cap marked:

C
N 1/16 | S5
C
1997

THE SUBDIVISION OF SECTION 5,
T. 41 S., R. 11 W., SALT LAKE MERIDIAN, UTAH

CHAINS

Raise a mound of stone, 4 ft. base, by 2 ft. high, W of the aluminum post.

The corner falls on a gradual W slope.

78.018 Point selected for Angle Point No. 5, a corner point of a metes and bounds survey in section 5, hereinafter described.

85.215 The monumented 1/4 section corner of section 5 only, hereinbefore described.

85.243 True point for the 1/4 section corner of section 5 only, hereinbefore described.

The Subdivision of Section 5,
T. 41 S., R. 11 W., Salt Lake Meridian, Utah

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

S. 89°59.1' W., on the E - W center line of section 5.

39.828 The center 1/4 section corner of section 5.

79.844 The 1/4 section corner of sections 5 and 6.

From the center N 1/16 section corner of section 5.

S. 89°59.4' W., on the E - W center line of the NW 1/4 of section 5.

39.979 The N 1/16 section corner of sections 5 and 6.

Metes and Bounds Survey in Section 5,
T. 41 S., R. 11 W., Salt Lake Meridian, Utah

From the point selected for Angle Point No. 1 on the north boundary of the township, hereinbefore described.

Set an aluminum post, 30 ins., long, 2 ½ ins. diam., 24 ins. in the ground, with the aluminum cap marked:

AP-1

—
/

S5

1997

METES AND BOUNDS SURVEY IN SECTION 5,
T. 41 S., R. 11 W., SALT LAKE MERIDIAN, UTAH

CHAINS

Raise a mound of stone, 4 ft. base, by 2 ft. high, S of the aluminum post.

Set a steel fence post alongside.

S. 15°13.0' W., on line 1 - 2.

2.485 Point selected for Angle Point No. 2.

Set an aluminum post, 30 ins., long, 2 ½ ins. diam., 24 ins. in the ground, with the aluminum cap marked:

AP-2
S5
1997

Raise a mound of stone, 4 ft. base, by 2 ft. high, S of the aluminum post.

Set a steel fence post alongside.

S. 41°13.8' W., on line 2 - 3.

2.143 Point selected for Angle Point No. 3.

Set an aluminum post, 30 ins., long, 2 ½ ins. diam., 24 ins. in the ground, with the aluminum cap marked:

AP-3
S5
1997

Raise a mound of stone, 2 ft. base, by 2 ft. high, S of the aluminum post.

Set a steel fence post alongside.

The corner falls on a gradual NW slope.

S. 62°31.1' W., on line 3 - 4.

2.915 Point selected for Angle Point No. 4.

Set an aluminum post, 30 ins., long, 2 ½ ins. diam., 24 ins. in the ground, with the aluminum cap marked:

METES AND BOUNDS SURVEY IN SECTION 5,
T. 41 S., R. 11 W., SALT LAKE MERIDIAN, UTAH

CHAINS

AP-4

S5
1997

Raise a mound of stone, 3 ft. base, by 2 ft. high, S of the aluminum post.

Set a steel fence post alongside.

The corner falls on a gradual NW slope.

S. $71^{\circ}54.1'$ W., on line 4 - 5.

6.007 The point selected for Angle Point No. 5, on the N - S center line of section 5, hereinbefore described.

At the corner point.

Set an aluminum post, 30 ins., long, 2 ½ ins. diam., 24 ins. in the ground, with the aluminum cap marked:

AP-5

S5
1997

Raise a mound of stone, 3 ft. base, by 2 ft. high, W of the aluminum post.

Set a steel fence post alongside.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

Name	Capacity
Brandon S. Sanchez	Survey Technician
Shane L. Chamberlin	Survey Aid

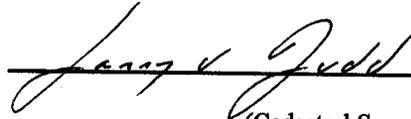
CERTIFICATE OF SURVEY

I, **Larry V. Judd, Cadastral Surveyor**, hereby certify upon honor that, in pursuance of special instructions bearing the date of the **30th day of April, 1997**, I have **dependently resurveyed a portion of the north boundary, (Eighth Standard Parallel South), a portion of the subdivisional lines, the north south center line of section 5, and the subdivision survey of section 5, and a metes and bounds survey in section 5, of Township 41 South, Range 11 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.

November 6, 1997

Date



(Cadastral Surveyor)

Date

(Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT
Salt Lake City, Utah

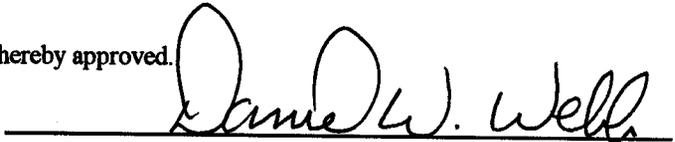
The foregoing field notes of the dependent resurvey of a portion of the north boundary, (Eighth Standard Parallel South), a portion of the subdivisional lines, the north south center line of section 5, and the subdivision survey of section 5, and a metes and bounds survey in section 5, of Township 41 South, Range 11 West, Salt Lake Meridian, Utah,

executed by **Larry V. Judd, Cadastral Surveyor**

having been critically examined and found correct, are hereby approved.

November 7, 1997

Date



(Chief Cadastral Surveyor Utah)