

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

ORIGINAL

# FIELD NOTES

OF

THE DEPENDENT RESURVEY OF

A PORTION OF THE LINE BETWEEN

SECTIONS 29 AND 30,

AND A

PORTION OF THE SUBDIVISION OF SECTION 30,

AND

A METES AND BOUNDS SURVEY IN SECTION 30

IN

TOWNSHIP 41 SOUTH, RANGE 13 WEST

OF THE SALT LAKE MERIDIAN  
IN THE STATE OF UTAH

EXECUTED BY

*Larry V. Judd*  
*Cadastral Surveyor*

Under special instructions dated *October 6, 1997*, approved October 6, 1997, which provided for the surveys included under Group Number *877*, and assignment instructions dated *October 20, 1997*

Survey commenced *October 27, 1997*  
Survey completed *October 30, 1997*

INDEX DIAGRAM

Township 41 South, Range 13 West

6	5	4	3	2	1
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TOWNSHIP 41 SOUTH, RANGE 13 WEST, SALT LAKE MERIDIAN, UTAH

**CHAINS**

The following field notes describe the dependent resurvey of a portion of the line between sections 29 and 30, and a portion of the subdivision of section 30, and a metes and bounds survey in section 30, in Township 41 South, Range 13 West, Salt Lake Meridian, Utah.

**History of Surveys**

**Surveyed by                      Retr. or Resurveyed by**

**NORTH BOUNDARY ( Eight Standard Parallel South )**

Portion	J. Bausman	1870		
Portion	J.G. Burrill	1877		
Portion	Jenkins and West	1897	Jenkins and West	1897
Portion			H.D. Heist	1902
Portion			R.C. Yundt	1949
Portion			C.P. Sylvester	1978-79
Portion			R.A. Zaninovich	1990

**SOUTH BOUNDARY**

All	Bailey and Burrill	1877		
All			Jenkins and West	1897
Portion			Stewart and Snow	1909
Portion			C.P. Sylvester	1978-79

**EAST BOUNDARY**

Portion	Bailey and Burrill	1877		
Portion	Jenkins and West	1897	Jenkins and West	1897
Portion			R.E.L. Collier	1909
Portion			C.P. Sylvester, etal	1978-79

**WEST BOUNDARY ( Second Guide Meridian West )**

All	J. Gorlinski	1870		
Portion			Bailey and Burrill	1877
All			Jenkins and West	1897
Portion			H.G. Mason	1918-19
Portion			A. Nelson	1931
Portion			R.C. Yundt	1944-49
Portion			C.P. Sylvester	1978-79
Portion			R.A. Zaninovich	1988
Portion			R.A. Zaninovich	1990

**SUBDIVISION**

Portion	J. Gorlinski	1870		
Portion	Bailey and Burrill	1877		
Portion	Jenkins and West	1897	Jenkins and West	1897
Portion			A. Nelson	1931

## TOWNSHIP 41 SOUTH, RANGE 13 WEST, SALT LAKE MERIDIAN, UTAH

**CHAINS****SUBDIVISION** continued

Portion	R.C. Yundt	1949
Portion	C.P. Sylvester, etal	1978-79
Portion	R.A.. Zaninovich	1990

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. 877, Utah, dated October 6, 1997.

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 S 1/16 section corner of sections 29 and 30, as determined by an indirect tie to U.S. Geological Survey triangulation station "VOLCANO MT 1954" is:

Latitude 37°11'19.64" N.      Longitude 113°20'43.44" 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.

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Dependent Resurvey of a Portion of the Line Between  
Sections 29 and 30, T. 41 S., R. 13 W., Salt Lake Meridian, Utah

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Reestablishment of the Survey Executed by  
Jenkins and West in 1897 and the Resurvey by  
C.P. Sylvester, etal in 1978-79

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Beginning at the S 1/16 section corner 29 and 30, monumented with an iron post, 2 1/2 inches diameter, firmly set in a mound of stone, 4 feet base, with the brass cap marked as described in the official record of the resurvey by C.P. Sylvester in 1978-79.

The corner falls 1 chain E of a fence projecting N and S.

DEPENDENT RESURVEY OF A PORTION OF THE LINE BETWEEN  
SECTIONS 29 AND 30, T. 41 S., R. 13 W., SALT LAKE MERIDIAN, UTAH

**CHAINS**

From this corner

U.S. Geological Survey triangulation station "VOLCANO MT 1954", monumented with a standard tablet set in a volcanic rock, projecting 8 inches above ground, with the tablet marked VOLCANO MT 1954, bears S. 20°50.5' E., (forward bearing), and N. 20°50.0' W., (back bearing), 154.212 chains distance.

N. 0°15.3' W., between sections 29 and 30.

- 19.987** The 1/4 section corner of sections 29 and 30, monumented with an iron post, 2 1/2 inches diameter, firmly set, projecting 4 inches above ground, with the brass cap marked as described in the official record of resurvey by C.P. Sylvester, etal in 1978-79.

The corner is set in a N and S fence line.

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Dependent Resurvey of a Portion  
of the Subdivision of Section 30,  
T. 41 S., R. 13 W., Salt Lake Meridian, Utah

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Reestablishment of the  
Survey Executed by R.A. Zaninovich in 1990

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From the 1/4 section corner of sections 29 and 30.

S. 89°56.0' W., on the E - W center line of section 30.

- 16.039** Point selected for Angle Point No. 1, a corner point of a metes and bounds survey in section 30, hereinafter described.

- 16.25** Top rim of perpendicular ledges, which bears N. 45° W., and S. 45° E.

- 19.941** The center E 1/16 section corner of section 30, monumented with an aluminum post, 2 1/2 inches diameter, set 4 feet below ground, with a steel fence post alongside, and with the aluminum cap marked as described in the official record of the survey by R.A. Zaninovich in 1990.

The corner is set in sandy ground in willow growth along the east bank of the Virgin River, 31 feet E from the waters edge.

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From the S 1/16 section corner of sections 29 and 30.

S. 89°55.6' W., along the E - W center line of the SE 1/4 of section 30.

DEPENDENT RESURVEY OF A PORTION  
OF THE SUBDIVISION OF SECTION 30,  
T. 41 S., R. 13 W., SALT LAKE MERIDIAN, UTAH

**CHAINS****33.999**

Point selected for Angle Point No. 12, a corner point of a metes and bounds survey in section 30, hereinafter described.

**39.900**

The center S 1/16 section corner of section 30, monumented with an aluminum post, 2 1/2 inches diameter, firmly set in a mound of stone, 4 feet base to top of the aluminum cap marked as described in the official record of the survey by R.A. Zaninovich in 1990.

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Metes and Bounds Survey in Section 30,  
T. 41 S., R. 13 W., Salt Lake Meridian, Utah

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From the point selected for Angle Point No. 1 on the E - W center line of section 30, hereinbefore described.

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 16 inches in the ground to bedrock, in a mound of stone, 5 feet base to top of the aluminum cap marked:

AP-1  
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|  
1997

S. 23°16.5' E., on line 1 - 2.

**1.071**

Point selected for Angle Point No. 2.

Set a rebar, 10 inches long, 3/4 inches diameter, drilled 8 inches into solid lava stone, with a 3 1/4 inch diameter aluminum cap marked:

AP-2  
>  
1997

Raise a mound of stone, 3 feet base by 1 foot high, S of the rebar and cap.

The corner falls approximately 30 feet E of the edge of steep decent into the Virgin River area. Edge bears N. 10° E., and S. 10° W.

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S. 12°42.0' W., on line 2 - 3.

**2.697**

Point selected for Angle Point No. 3.

METES AND BOUNDS SURVEY IN SECTION 30,  
T. 41 S., R. 13 W., SALT LAKE MERIDIAN, UTAH

**CHAINS**

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

AP-3  
  
 1997

Raise a mound of stone, 5 feet base by 3 feet high, S of the aluminum post.

The corner falls approximately 25 feet E of the edge of perpendicular ledges, which bears N. 20° E., and S. 20° W.

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S. 27°59.6' W., on line 3 - 4.

**1.821** Point selected for Angle Point No. 4.

Set a rebar, 10 inches long, 3/4 inch diameter, drilled 8 inches into solid lava stone, with a 3 1/4 inch diameter aluminum cap marked:

AP-4  
  
 1997

Raise a mound of stone, 3 feet base, by 1 foot high, S of the rebar and cap.

The corner falls approximately 20 feet E of the edge of steep decent, which bears N. 20° E. and S. 20° W.

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S. 41°34.3' W., on line 4 - 5.

**4.409** Point selected for Angle Point No. 5.

Set a rebar, 10 inches long, 3/4 inch diameter, drilled 8 inches into solid lava stone, with a 3 1/4 inch diameter aluminum cap marked:

AP-5  
  
 1997

Raise a mound of stone, 3 feet base by 1 foot high, S of the rebar and cap.

The corner falls approximately 23 feet S of the edge of steep decent, which bears N. 45° E. and S. 45° W.

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METES AND BOUNDS SURVEY IN SECTION 30,  
T. 41 S., R. 13 W., SALT LAKE MERIDIAN, UTAH

**CHAINS**

S.  $57^{\circ}15.1'$  W., on line 5 - 6.

**4.628** Point selected for Angle Point No. 6.

Set a rebar, 10 inches long,  $3/4$  inch diameter, drilled 8 inches into solid lava stone, with a  $3\ 1/4$  inch diameter aluminum cap marked:

AP-6  
  
1997

Raise a mound of stone, 3 feet base, by 1 foot high, S of the rebar and cap.

The corner falls approximately 19 feet S of the edge of steep decent onto lower bench area.

S.  $85^{\circ}52.5'$  W., on line 6 - 7.

**0.803** Point selected for Angle Point No. 7.

Set a rebar, 10 inches long,  $3/4$  inch diameter, drilled 8 inches into solid lava stone, with a  $3\ 1/4$  inch diameter aluminum cap marked:

AP-7  
  
1997

Raise a mound of stone, 3 feet base by 1 foot high, S of the rebar and cap.

The corner falls approximately 8 feet S of the edge of a moderate decent onto a lower bench area, which bears N.  $80^{\circ}$  E., and S.  $80^{\circ}$  W.

S.  $52^{\circ}28.3'$  W., on line 7 - 8.

**4.078** Point selected for Angle Point No. 8.

Set a rebar, 10 inches long,  $3/4$  inch diameter, drilled 7 inches into solid lava stone, with a  $3\ 1/4$  inch diameter aluminum cap marked:

AP-8  
  
1997

Raise a mound of stone, 3 feet base by 1 foot high, S of the rebar and cap.

METES AND BOUNDS SURVEY IN SECTION 30,  
T. 41 S., R. 13 W., SALT LAKE MERIDIAN, UTAH

**CHAINS**

The corner falls approximately 30 feet S of the edge of perpendicular ledges, which bears N. 40° E., and S. 40° W.

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S. 46°33.7' W., on line 8 - 9.

**2.752** Point selected for Angle Point No. 9.

Set a rebar, 10 inches long, 3/4 inch diameter, drilled 7 inches into solid lava stone, with a 3 1/4 inch diameter aluminum cap marked:

AP-9  
  
 1997

Raise a mound of stone, 2 feet base by 1 foot high, S of the rebar and cap.

The corner falls approximately 19 feet S of the edge of perpendicular ledges, which bears N. 45° E., and S. 45° W.

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S. 58°18.7' W., on line 9 - 10.

**2.112** Point selected for Angle Point No. 10.

Set a rebar, 10 inches long, 3/4 inch diameter, drilled 7 inches into solid lava stone, with a 3 1/4 inch diameter aluminum cap marked:

AP-10  
  
 1997

Raise a mound of stone, 4 feet base by 2 feet high, S of the rebar and cap.

The corner falls approximately 11 feet S of the edge of perpendicular ledges, which bears N. 50° E., and S. 50° W.

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S. 27°20.3' W., on line 10 - 11.

**3.230** Point selected for Angle Point No. 11.

Set a rebar, 10 inches long, 3/4 inch diameter, drilled 8 inches into solid lava stone, with a 3 1/4 inch diameter aluminum cap marked:

METES AND BOUNDS SURVEY IN SECTION 30,  
T. 41 S., R. 13 W., SALT LAKE MERIDIAN, UTAH

CHAINS

AP-11



Raise a mound of stone, 4 feet base by 2 feet high, S of the rebar and cap.

The corner falls approximately 15 feet S of the edge of steep decent, which bears N. 27° E., and S. 27° W.

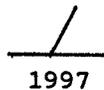
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S. 51°15.7' W., on line 11 - 12.

**0.917** The point selected for Angle Point No. 12, hereinbefore described.

Set a rebar, 10 inches long, 3/4 inch diameter, drilled 8 inches into solid lava stone, with a 3 1/4 inch diameter aluminum cap marked:

AP-12



Raise a mound of stone, 4 feet base by 2 feet high, N of the rebar and cap.

The corner falls approximately 12 feet E of the edge of steep decent, which bears N. 50° E. and S. 50° W.

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UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**FIELD ASSISTANTS**

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Name	Capacity
Shane 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 *6th day of October, 1997*, I have *dependently resurveyed a portion of the line between sections 29 and 30, and a portion of the subdivision of section 30, and a metes and bounds survey in section 30, in Township 41 South, Range 13 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.

1/29/98  
Date

*Larry V. Judd*  
(Cadastral Surveyor)

\_\_\_\_\_  
Date

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(Cadastral Surveyor)

## CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT  
Salt Lake City, Utah

The foregoing field notes of the *dependent resurvey a portion of the line between sections 29 and 30, and a portion of the subdivision of section 30, and a metes and bounds survey in section 30, in Township 41 South, Range 13 West, Salt Lake Meridian, Utah,*

executed by *Larry V. Judd, Cadastral Surveyor*

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

February 2, 1998  
Date

*Daniel W. Webb*  
(Chief Cadastral Surveyor for Utah)