

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ORIGINAL

FIELD NOTES

OF

THE DEPENDENT RESURVEY OF
A PORTION OF THE EAST BOUNDARY,
A PORTION OF THE SUBDIVISIONAL LINES,
A PORTION OF THE INTERIOR SUBDIVISIONAL LINES
OF SECTION 13

AND

A METES AND BOUNDS SURVEY IN SECTION 13,

IN

TOWNSHIP 43 SOUTH, RANGE 15 WEST

OF THE SALT LAKE MERIDIAN
IN THE STATE OF UTAH

EXECUTED BY

Larry V. Judd
Cadastral Surveyor

Under special instructions dated **May 17, 2002**, approved **May 17, 2002**,
which provided for the surveys included under Group Number **946**, and
assignment instructions dated **May 17, 2002**

Survey commenced **May 20, 2002**

Survey completed **May 23, 2002**

INDEX DIAGRAM

Township 43 South, Range 15 West

6	5	4	3	2	1
7	8	9	10	11	12 4
18	17	16	15	14	13 3 4
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

The following field notes are those of the dependent resurvey of a portion of the east boundary, a portion of the subdivisional lines, a portion of the interior subdivisional lines of section 13, and a metes and bounds survey in section 13, in T. 43 S., R. 15 W., Salt Lake Meridian, Utah.

History of Surveys

Surveyed by		Retr. or Resurveyed by	
SOUTH BOUNDARY (Utah-Arizona State Boundary Line)			
All	H.B. Carpenter	1901	
Closing			Stewart & Snow 1909
Portion			C.P. Sylvester 1973
EAST BOUNDARY			
All	Jenkins & West	1897	
All			Stewart & Snow 1909
Portion			C.P. Sylvester 1973
Portion			L.V. Judd 1997
WEST BOUNDARY (Pine Valley Guide Meridian)			
Portion	J. Gorlinski	1870	
All	Jenkins & West	1897	Jenkins & West 1897
Portion			Stewart & Snow 1909
Portion			A. Nelson 1965
Portion			C.P. Sylvester 1973
Portion			R.K. Baugh 1982
Portion			J.L. Thomas 1983
Portion			R.A. Zaninovich 1985-86
NORTH BOUNDARY			
All	J. Gorlinski	1870	
All			Jenkins & West 1897
All			M.H. Dalley 1900
Portion			C.P. Sylvester 1973
Portion			L.V. Judd 1997
SUBDIVISION			
Portion	J. Gorlinski	1870	
Portion	Jenkins & West	1897	Jenkins & West 1897
Portion			Stewart & Snow 1909
Portion			C.P. Sylvester 1973
Portion			R.A. Zaninovich 1985-86
Portion			L.V. Judd 1997

T. 43 S., R. 15 W., 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. 946, dated May 17, 2002.

The direction of the lines were determined by references to true meridians, established by the Global Positioning System (GPS) utilizing Real-time kinematic (RTK) techniques throughout the survey. Trimble Model 4700 global positioning system receivers and Pacific Crest radios 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 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.

Geodetic control was derived from National Geodetic Survey Federal Base Network Station "84-DOR", with the published data as follows:

Latitude: 36° 58'44.90881" N. Longitude: 113° 33'55.66323" W.
N.A.D. 1983 (1992). N.A.V.D. 1988, 2828.08 Ft.

The geographic position of the corner of sections 13 and 24 only, T. 43 S., R 15 W., as determined by an indirect tie to National Geodetic Survey Federal Base Network Station "84-DOR", is as follows:

Latitude: 37° 02'15.862" N. Longitude: 113° 28'36.588" W.
N.A.D. 1983

DEPENDENT RESURVEY OF A PORTION OF THE EAST BOUNDARY,
T. 43 S., R. 15 W., SALT LAKE MERIDIAN, UTAH

CHAINS

Dependent Resurvey of a Portion of the East Boundary,
T. 43 S., R. 15 W., Salt Lake Meridian, Utah

Reestablishment of the Survey Executed by
W. Jenkins and J.A. West in 1897, the Retracement by
L.A. Snow and A.J. Stewart in 1909, and the
Dependent Resurveys executed by C.P. Sylvester in 1973,
and L.V. Judd in 1997

Beginning at the corner of sections 13 and 24 only, on the
east boundary of the township, monumented with an iron post, 2
1/2 inches diameter, firmly set in a mound of stone, with the
brass cap marked as described in the official record of the
resurvey executed by C.P. Sylvester in 1973.

From this corner, National Geodetic Survey FBN station
"84 DOR", monumented with a standard disk set in a concrete
sleeve with the disk stamped 84 DOR 1970, bears S. 50° 31' 30"
W., forward bearing and N. 50° 28' 18" E., back bearing, for
508.267 chains distance.

N. 0° 02.0' W., on the east boundary of section 13.

- 40.040** The 1/4 section corner of section 13 only, monumented with an
iron post, 2 1/2 inches diameter, firmly set in a mound of
stone, with the brass cap marked as described in the official
record of the dependent resurvey executed by C.P. Sylvester in
1973.

N. 0° 00.6' E., beginning new measurement.

- 40.058** The corner of sections 12 and 13 only, monumented with an iron
post, 2 1/2 inches diameter, firmly set in a mound of stone,
with the brass cap marked as described in the official record
of the dependent resurvey executed by C.P. Sylvester in 1973.

Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 43 S., R. 15 W., Salt Lake Meridian, Utah

Reestablishment of the Survey Executed by
W. Jenkins and J.A. West in 1897, and the
Dependent Resurveys executed by C.P. Sylvester in 1973
and L.V. Judd in 1997

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,
T. 43 S., R. 15 W., SALT LAKE MERIDIAN, UTAH

CHAINS

From the corner of sections 13 and 24 only, on the east boundary of the township, hereinbefore described.

S 89° 58.2' W., between sections 13 and 24.

- 13.168** Angle Point No. 7, a corner point of the metes and bounds survey within section 24, monumented with an aluminum post, 2 1/2 inches diameter, firmly set, projecting 2 inches above ground, with a steel fence post alongside, and with the aluminum cap marked as described in the official record of the survey executed by L.V. Judd in 1997.
- 39.996** The 1/4 section corner of sections 13 and 24, monumented with an iron post, 2 1/2 inches diameter, firmly set, projecting 6 inches above ground, with the brass cap marked as described in the official record of the dependent resurvey executed by C.P. Sylvester in 1973.

Reestablishment of the Survey Executed by
W. Jenkins and J.A. West in 1897, and the
Dependent Resurvey Executed by C.P. Sylvester in 1973

From the corner of sections 12 and 13 only, on the east boundary of the township, hereinbefore described.

S. 89° 56.7' W., between sections 12 and 13.

- 39.996** The 1/4 section corner of sections 12 and 13, monumented with an iron post, 2 1/2 inches diameter, firmly set, projecting 5 inches above ground, with the brass cap marked as described in the official record of the dependent resurvey executed by C.P. Sylvester in 1973.

Dependent Resurvey of a Portion of the Interior Subdivisional Lines
of Section 13, T. 43 S., R. 15 W., Salt Lake Meridian, Utah

Reestablishment of the Survey Executed by
L.V. Judd in 1997

From the 1/4 section corner of sections 13 and 24.

N. 0° 01.1' W., on the N - S center line of section 13.

- 40.020** The center 1/4 section corner of section 13, monumented with an aluminum post, 2 1/2 inches diameter, firmly set, projecting 3 inches above ground, with a steel fence post to the north and a mound of stone to the west, with the brass cap

DEPENDENT RESURVEY OF A PORTION OF THE INTERIOR SUBDIVISIONAL LINES,
OF SECTION 13, T. 43 S., R. 15 W., SALT LAKE MERIDIAN, UTAH

CHAINS

marked as described in the official record of the survey
executed by L.V. Judd in 1997.

with continuous measurement

80.082 The 1/4 section corner of sections 12 and 13.

From the 1/4 section corner of section 13 only, on the east
boundary of the township, hereinbefore described.

S. 89° 56.5' W., on the E - W center line of section 13.

27.217 The point for Angle Point No. 2, a corner point of a metes and
bounds survey in section 13, hereinafter described.

39.982 The center 1/4 section corner of section 13.

Metes and Bounds Survey in Section 13,
T. 43 S., R. 15 W., Salt Lake Meridian, Utah

The metes and bounds boundary for the following courses was
determined by running a line parallel to, and approximately 33
feet offset from the center line of an existing county road,
as near as could be determined on tangent courses.

From Angle Point No. 7, a corner point of a metes and bounds
survey in section 24, on the line between sections 13 and 24,
hereinbefore described.

N. 19° 17.6' W., on course 1.

24.009 Point selected for Angle Point No. 1.

Set an aluminum post, 30 inches long, 2 1/2 inches diameter,
24 inches in the ground, with the aluminum cap marked, AP1 S13
2002, with a reference to course line.

Deposit a magnet, enclosed in a clear plastic case at the base
of the aluminum post.

Set a steel fence post, to the east of the aluminum post.

The monument falls on a gradual north slope.

N. 19° 28.9' W., on course 2, beginning new measurement.

18.413 Point for Angle Point No. 2, at intersection with the E - W
center line of section 13.

METES AND BOUNDS SURVEY IN SECTION 13,
T. 43 S., R. 15 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, AP2 S13 C - C, 2002, with lines of intersection.

Deposit a magnet, enclosed in a clear plastic case at the base of the aluminum post.

Set a steel fence post, 0.50 feet to the east of the aluminum post.

The monument falls on flat ground.

N. 19° 50.3' W., on course 3, beginning new measurement.

12.953 Point selected for Angle Point No. 3.

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 24 inches in the ground, with the aluminum cap marked, AP3 S13 2002, with a reference to course line.

Deposit a magnet, enclosed in a clear plastic case at the base of the aluminum post.

Set a steel fence post, 0.30 feet to the east of the aluminum post.

The monument falls at the bottom of a cut bank.

N. 19° 12.1' W., on course 4, beginning new measurement.

13.518 Point selected for Angle Point No. 4.

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 24 inches in the ground, with the aluminum cap marked, AP4 S13 2002, with a reference to course line.

Deposit a magnet, enclosed in a clear plastic case at the base of the aluminum post.

The monument falls on open flat ground.

N. 20° 55.7' W., on course 5, beginning new measurement.

1.412 Point selected for Angle Point No. 5.

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 24 inches in the ground, with the aluminum cap marked, AP5 S13 2002, with a reference to course line.

Deposit a magnet, enclosed in a clear plastic case at the base of the aluminum post.

METES AND BOUNDS SURVEY IN SECTION 13,
T. 43 S., R. 15 W., SALT LAKE MERIDIAN, UTAH

CHAINS

The monument falls on open flat ground.

N. 24° 53.4' W., on course 6, beginning new measurement.

- 2.712** Point selected for Angle Point No. 6. The point falls in a dirt trail road, in the bottom of a drainage area, approximately 20 feet wide, bears S. 20° W. The point is not suitable for permanent monumentation, and therefore not monumented.
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N. 20° 51.2' W., on course 7, beginning new measurement.

- 1.877** Point selected for Angle Point No. 7.

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 26 inches in the ground, with the aluminum cap marked, AP7 S13 2002, with a reference to course line.

Deposit a magnet, enclosed in a clear plastic case at the base of the aluminum post.

Set a steel fence post, 0.50 feet to the east of the aluminum post.

The monument falls, 4 1/2 feet W of the west edge of a dirt trail road, 15 feet wide, bears S. 5° W., and also to the west approximately 30 feet, the top of a diversion dam, 6 feet high, 20 feet wide, bears N - S.

N. 13° 45.1' W., on course 8, beginning new measurement.

- 1.956** Point selected for Angle Point No. 8. The point falls on the westerly side of a diversion dam, in a ATV trail area. the point is not suitable for permanent monumentation, and therefore not monumented
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N. 10° 16.3' W., on course 9, beginning new measurement.

- 4.378** Point selected for Angle Point No. 9.

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 24 inches in the ground, with the aluminum cap marked, AP9 S13 2002, with a reference to course line.

Deposit a magnet, enclosed in a clear plastic case at the base of the aluminum post.

The monument falls on flat ground.

METES AND BOUNDS SURVEY IN SECTION 13,
T. 43 S., R. 15 W., SALT LAKE MERIDIAN, UTAH

CHAINS

N. 6° 22.0' W., on course 10, beginning new measurement.

3.379 The 1/4 section corner of sections 12 and 13.

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FIELD ASSISTANTS

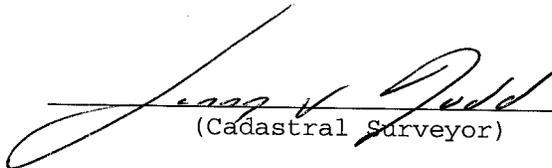
Name	Capacity
Denim Day	Survey Aid

CERTIFICATE OF SURVEY

I, **Larry V. Judd, Cadastral Surveyor**, hereby certify upon honor that, in pursuance of special instructions bearing the date of the **17th day of May, 2002**, I have **executed a dependent resurvey of a portion of the east boundary, a portion of the subdivisional lines, a portion of the interior subdivisional lines of section 13, and a metes and bounds survey in section 13, in Township 43 South, Range 15 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.

2/17/2005
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 east boundary, a portion of the subdivisional lines, a portion of the interior subdivisional lines of section 13, and a metes and boundary survey in section 13, in Township 43 South, Range 15 West, Salt Lake Meridian, Utah,

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

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

March 4, 2005
Date


Chief Cadastral Surveyor for Utah