

R-622

291

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

ORIGINAL

# FIELD NOTES

OF

THE DEPENDENT RESURVEY OF

PORTIONS OF

THE NORTH BOUNDARY

AND

SUBDIVISIONAL LINES

AND

THE SUBDIVISION OF SECTION 4,

IN

TOWNSHIP 13 SOUTH, RANGE 1 WEST

OF THE SALT LAKE MERIDIAN  
IN THE STATE OF UTAH

EXECUTED BY

*Ferrel D. Reynolds*  
*Cadastral Surveyor*

Under special instructions dated *August 30, 1996*, approved August 30, 1996, which provided for the surveys included under Group Number 858, and assignment instructions dated *September 23, 1996*

Survey commenced *October 1, 1996*  
Survey completed *October 23, 1996*

**INDEX DIAGRAM**

Township 13 South, Range 1 West

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## TOWNSHIP 13 SOUTH, RANGE 1 WEST, SALT LAKE MERIDIAN, UTAH

**CHAINS**

The following field notes describe the dependent resurvey of portions of the north boundary, and subdivisional lines, and the subdivision of section 4, in Township 13 South, Range 1 West, Salt Lake Meridian, Utah.

**History of Surveys**

	Surveyed by		Retr. or Resurveyed by	
<b>NORTH BOUNDARY</b>				
Portion	C. Mogo	1856		
Portion	A.J. Stewart, Jr.	1878	A.J. Stewart, Jr.	1878
Portion	E.W. Koeber	1884	E.W. Koeber	1884
Portion			J.C. Thoma and H.W. Miller	1920
Portion			R.A. Zaninovich	1991-92
<b>SOUTH BOUNDARY</b>				
Portion	C. Mogo	1856		
All	E.W. Koeber	1884	E.W. Koeber	1884
Portion			R.A. Zaninovich	1991-92
<b>EAST BOUNDARY</b>				
All	C. Mogo	1856		
All			A.D. Ferron	1882
<b>WEST BOUNDARY</b>				
All	E.W. Koeber	1884		
Portion			R.A. Zaninovich	1991-92
<b>SUBDIVISION</b>				
Portion	C. Mogo	1856		
Portion	E.W. Koeber	1884	E.W. Koeber	1884
Portion			R.A. Zaninovich	1991-92

Survey monuments set by Juab County in 1985 were accepted and utilized where noted throughout these field notes.

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. 858, Utah, dated August 30, 1996.

## TOWNSHIP 13 SOUTH, RANGE 1 WEST, 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 corner of sections 8, 9, 16 and 17, as determined by the Global Positioning System, static relative positioning techniques, utilizing National Geodetic Survey triangulation station "CAPPS" is as follows:

Latitude 39° 41' 19.182" N. Longitude 111° 57' 01.896" W.

N.A.D. 1983

This corner is designated a B.L.M. Control Station.

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 North Boundary,  
T. 13 S., R. 1 W., Salt Lake Meridian, Utah

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Reestablishment of the Survey Executed by  
A.J. Stewart Jr., Deputy Surveyor in 1878 and the  
Resurveys by E.W. Koeber, Deputy Surveyor in 1884, and  
J.C. Thoma and H.W. Miller, Deputy Surveyors in 1920

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Beginning at the corner of sections 3 and 4 only, on the north boundary of the township, monumented with a Juab County aluminum post, 2 1/2 ins. diam., firmly set in a mound of stone, with the aluminum cap marked:

JUAB COUNTY  
S34  
S4 | S3  
1985

This corner point was described in the official record of the resurvey by Thoma and Miller in 1920, as being monumented with a 2 ins. diam., iron post, set in a large mound of stone. No evidence of the iron post was found.

The Juab County monument is accepted as the best available evidence of the original corner position.

DEPENDENT RESURVEY OF A PORTION OF THE NORTH BOUNDARY,  
T. 13 S., R. 1 W., SALT LAKE MERIDIAN, UTAH

**CHAINS**

S. 86°40.3' W., between sections 4 and 34, on the north boundary of the township.

- 2.838** The corner of sections 33 and 34 only, T. 12 S. R 1 W., monumented with an iron post, 2 ins. diam., firmly set in a mound of stone, 4 ft. base by 1 ft. high, with the brass cap marked as described in the official record of the resurvey by J.C. Thoma and H.W. Miller in 1920.

S. 85°30.5' W., between sections 4 and 33, on the north boundary of the township.

- 17.356** Point for the E 1/16 section corner of section 4 only.

Set an aluminum post, 30 ins. long, 2 1/2 ins. diam., 8 ins. in the ground to bedrock, set in a mound of stone, 4 ft. base, to the top of the aluminum cap marked:

T12S R1W

—————  
E 1/16 S4

T13S R1W

1996

- 37.553** Point for the 1/4 section corner of section 4 only, at mid point between the NW and NE corners of section 4. The point for the NW corner of section 4 was determined from the record of survey by R.A. Zaninovich in 1991-92.

Set an aluminum post, 30 ins. long, 2 1/2 ins. diam., 20 ins. in the ground, with the aluminum cap marked:

T12S R1W

—————  
1/4 S4

T13S R1W

1996

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

- 39.990** The 1/4 section corner of section 33 only, monumented with an iron post, 1 inch in diam., firmly set, projecting 10 ins. above the ground, with the brass cap marked as described in the official record of the resurvey by J.C. Thoma and H.W. Miller in 1920.

S. 84°26.8' W., beginning new measurement.

- 31.328** The SW corner of section 33 only, 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 J.C. Thoma and H.W. Miller in 1920.

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL  
LINES, T. 13 S., R. 1 W., SALT LAKE MERIDIAN, UTAH

**CHAINS**

Dependent Resurvey of a Portion of the Subdivisional Lines,  
T. 13 S., R. 1 W., Salt Lake Meridian, Utah

Reestablishment of the Survey Executed by  
E.W. Koeber in 1884.

From the corner of sections 9, 10, 15, and 16, at the corner of old fences, projecting S and W. This fence corner is accepted as the best available evidence of the position of the original corner.

At the corner point.

Set an aluminum post, 30 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, set in a mound of stone to the top of the aluminum cap marked:

T13S R1W	
S9	S10
S16	S15
1996	

From this corner:

A rebar, 1/2 inch diam., with a yellow plastic cap, marked 6464, bears S. 4°22.6' W. 16.4 ft. dist. This corner is shown on the Land Corner Record sketch filed with Juab County as not being monumented at the fence corner, as it was found, but is described on other Land Corner Record sheets as being located at the fence corner position. This point is not utilized as the section corner position.

N. 0°31.0' W., between sections 9 and 10.

**41.612** Point for the 1/4 section corner of sections 9 and 10, at proportionate distance. No remaining evidence of the original corner was found.

Set an aluminum post, 30 ins. long, 2 1/2 ins. diam., 16 ins. in the ground to bedrock, set in a mound of stone, 4 ft. base to top of the aluminum cap marked:

T13S R1W	
1/4	
S9	S10
1996	

**62.418** Point for the N 1/16 section corner of sections 9 and 10.

Set an aluminum post, 30 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with the aluminum cap marked:

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL  
LINES, T. 13 S., R. 1 W., SALT LAKE MERIDIAN, UTAH

CHAINS

T13S R1W  
N 1/16  
S9 | S10  
1996

Raise a mound of stone, 2 ft. base, 2 ft. high, west of the corner.

- 83.224** The corner of sections 3, 4, 9, and 10, monumented with a Juab County aluminum post, 2 1/2 ins., diam., firmly set at the corner of fences, projecting S and E, with the aluminum cap marked:

JUAB COUNTY  
S4 | S3  
S9 | S10  
1985

This corner is accepted as the best available evidence of the position of the original corner.

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N. 1°49.6' W., between sections 3 and 4.

- 40.618** The 1/4 section corner of sections 3 and 4, monumented with a Juab County aluminum post, 2 1/2 ins. diam., firmly set in a mound of stone, with the aluminum cap marked:

JUAB COUNTY  
S4 | S3  
1985

The corner falls 6 ft. N of the corner of fences projecting S and E.

This corner is accepted as the best available evidence of the position of the original corner.

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N. 0°28.3' W., beginning new measurement.

- 39.618** The corner of sections 3 and 4 only, on the north boundary of the township, hereinbefore described.
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From the corner of sections 9, 10, 15, and 16.

S. 89°41.1' W., between sections 9 and 16.

- 41.070** Point for the 1/4 section corner of sections 9 and 16, at proportionate distance. No remaining evidence of the original corner was found.

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL  
LINES, T. 13 S., R. 1 W., SALT LAKE MERIDIAN, UTAH

**CHAINS**

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

T13S R1W  
1/4     S9  
          S16  
          1996

Raise a mound of stone, 3 ft. base, 1 ft. high, north of the aluminum post.

From this corner, a rebar 1/2 inch diam., with a yellow plastic cap marked 6464, bears N. 1°00.3' W, 63.4 ft. distance. This rebar is not utilized as the 1/4 section corner position.

- 82.140** The corner of sections 8, 9, 16, and 17, monumented with an aluminum post, 2 1/2 ins. diam., projecting 2 ins. above the ground, with a mound of stone to the W, and with the aluminum cap marked as described in the official record of the resurvey by R.A. Zaninovich in 1991-92.

From the corner of sections 3, 4, 9, and 10.

S. 88°28.3' W., between sections 4 and 9.

- 41.484** Point for the 1/4 section corner of sections 4 and 9 at proportionate distance. No remaining evidence of the original corner was found.

Set an aluminum post, 30 ins. long, 2 1/2 ins. diam., 12 ins. in the ground to bedrock, set in a mound of stone, 4 ft. base to top of the aluminum cap marked:

T13S R1W  
1/4     S4  
          S9  
          1996

- 82.958** The corner of sections 4, 5, 8, and 9, monumented with an aluminum post, 2 1/2 ins. diam., firmly set in a mound of stone, with the aluminum cap marked as described in the official record of the resurvey by R.A. Zaninovich in 1991-92.

The Subdivision of Section 4,  
T. 13 S., R. 1 W., Salt Lake Meridian, Utah

From the 1/4 section corner of sections 4 and 9.

N. 0°18.9' W., on the N - S center line of section 4.

THE SUBDIVISION OF SECTION 4,  
T. 13 S., R. 1 W., SALT LAKE MERIDIAN, UTAH

**CHAINS**

- 39.820** Point for the center 1/4 section corner, at intersection with the E - W center line of section 4.
- Set an aluminum post, 30 ins. long, 2 1/2 ins. diam., 14 ins. in the ground to bedrock, set in a mound of stone to the top of the aluminum cap marked:
- T13S R1W  
C 1/4  
S4  
1996
- 78.216** The 1/4 section corner of section 4 only, on the north boundary of the township, hereinbefore described.
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- From the 1/4 section corner of sections 3 and 4.
- S. 87°20.2' W., on the E - W center line of section 4.
- 20.217** Point for the center E 1/16 section corner of section 4.
- Set an aluminum post, 30 ins. long, 2 1/2 ins. diam., 15 ins. in the ground to bedrock, set in a mound of stone, 3 ft. base, to the top of the aluminum cap marked:
- C  $\frac{E\ 1/16}{S4}$  C  
1996
- 40.434** The center 1/4 section corner of section 4.
- 81.329** The 1/4 section corner of sections 4 and 5, monumented with an aluminum post, 2 1/2 ins. diam., firmly set, projecting 6 ins. above the ground, with a mound of stone to the W, and with the aluminum cap marked as described in the official record of the resurvey by R.A. Zaninovich in 1991-92.
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- From the center E 1/16 section corner of section 4.
- N. 0°23.7' W., on the N - S center line of the NE 1/4 of section 4.
- 39.033** The E 1/16 section corner of section 4 only, on the north boundary of the township, hereinbefore described.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**FIELD ASSISTANTS**

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Name	Capacity
Philip Tobler	Surveying Technician

## CERTIFICATE OF SURVEY

I, *Ferrel D. Reynolds, Cadastral Surveyor*, hereby certify upon honor that, in pursuance of special instructions bearing the date of the *30th day of August, 1996*, I have *dependently resurveyed portions of the north boundary, and subdivisional lines, and the subdivision of section 4, in Township 13 South, Range 1 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.

September 5, 1997

Date

*Ferrel D. Reynolds*  
(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 portions of the north boundary, and subdivisional lines, and the subdivision of section 4, in Township 13 South, Range 1 West, Salt Lake Meridian, Utah*,

executed by *Ferrel D. Reynolds, Cadastral Surveyor*

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

September 11, 1997

Date

*Daniel W. Webb*

(Chief Cadastral Surveyor for Utah)