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UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

ORIGINAL

# FIELD NOTES

of  
The Dependent Resurvey of

THE WEST BOUNDARY (COLORADO GUIDE MERIDIAN)

AND A

PORTION OF THE NORTH BOUNDARY

IN

TOWNSHIP 37 SOUTH, RANGE 23 EAST

of the SALT LAKE Meridian  
In the State of UTAH

EXECUTED BY

*Jerry L. Thomas*  
*Cadastral Surveyor*

Under special instructions dated *June 25, 1996*, approved June 25, 1996, and supplemental special instructions dated March 31, 1997, approved April 2, 1997, which provided for the surveys included under Group Number 846, and assignment instructions dated *July 3, 1996*.

Survey commenced *July 9, 1996*  
Survey completed *October 9, 1997*

INDEX DIAGRAM

Township 37 South, Range 23 East

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

## TOWNSHIP 37 SOUTH, RANGE 23 EAST, SALT LAKE MERIDIAN, UTAH

**CHAINS**

The following field notes describe the dependent resurvey of the west boundary (Colorado Guide Meridian) and a portion of the north boundary in Township 37 South, Range 23 East, Salt Lake Meridian, Utah.

**History of Surveys**

	Surveyed by	Retr. or Resurveyed by	
<b>NORTH BOUNDARY</b>			
All	Miller and Thoma	1912	
<b>SOUTH BOUNDARY</b>			
All	Miller and Thoma	1912	
<b>EAST BOUNDARY</b>			
All	Miller and Thoma	1912	
<b>WEST BOUNDARY (Colorado Guide Meridian)</b>			
All	F. Dickert	1878	
All			A.P. Hansen 1907
Portion			Miller and Thoma 1912
<b>SUBDIVISION</b>			
All	Miller and Thoma	1912	

The survey was executed in accordance with the specifications set forth in the Manual of Surveying Instructions, 1973, and the Special Instructions for Group 846, Utah, dated June 25, 1996.

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 section corner of sections 1, 6, 7, and 12, on the west boundary, as determined by a tie made to U.S. Coast and Geodetic Survey Triangulation Station "TROY" is as follows:

## TOWNSHIP 37 SOUTH, RANGE 23 EAST, SALT LAKE MERIDIAN, UTAH

**CHAINS**

Latitude 37° 35' 30.50" N. Longitude 109° 26' 19.83" W.  
N.A.D. 1927

The mean magnetic declination as projected from the U.S. Geological Survey  
"Magnetic Declination Map of 1990" is: 12 1/2° East.

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Dependent Resurvey of the West Boundary,  
(Colorado Guide Meridian), T. 37 S., R. 23 E.,  
Salt Lake Meridian, Utah

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Reestablishment of the Survey Executed by  
F. Dickert in 1878, the Resurvey by A.P. Hansen in 1907,  
and the Retracement by Miller and Thoma in 1912

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Beginning at the corner of sections 1, 6, 31, and 36, Tps. 37 and 38 S., Rs. 22 and 23  
E., monumented with a sandstone, 16x10x8 inches, firmly set, projecting 8 inches  
above the ground, plainly marked 6 notches on N, S, E, and W edges, with a mound of  
stone, 2 feet base, 1 foot high, west of corner.

At the corner point

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

T37S	
R22E R23E	
S36	S31
S1	S6
T38S	
1997	

Deposit the marked stone alongside the aluminum post.

Corner is located 15 feet north of an E and W trail road.

N. 0° 04.9' W., between sections 31 and 36.

Over rolling land.

**40.075** The 1/4 section corner of sections 31 and 36, monumented with a porphyry stone,  
16x12x6 inches, firmly set, projecting 8 inches above the ground, dimly marked 1/4 on  
W face, with a small mound of stone W.

At the corner point

DEPENDENT RESURVEY OF THE WEST BOUNDARY,  
(COLORADO GUIDE MERIDIAN), T. 37 S., R. 23 E.,  
SALT LAKE MERIDIAN, UTAH

**CHAINS**

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

T37S  
R22E R23E  
1/4  
S36 | S31  
1997

Deposit the marked stone alongside the aluminum post and raise a mound of stone, 3 feet base, 2 feet high, west of the corner.

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N. 0° 14.0' E., beginning new measurement.

Over rolling stone.

**39.921** The corner of sections 25, 30, 31, and 36, monumented with a porphyry stone, 20x6x6 inches, firmly set and projecting 10 inches above the ground, plainly marked 5 notches on N edge and 1 notch on S edge.

At the corner point

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

T37S  
R22E R23E  
S25 | S30  
S36 | S31  
1997

Deposit the marked stone alongside the aluminum post and raise a mound of stone, 3 feet base, 2 feet high, west of the corner.

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N.0° 26.0' W., between sections 25 and 30.

Over rolling land.

**39.978** Point for the 1/4 section corner of sections 25 and 30, at proportionate distance; there is no remaining evidence of the original corner.

Set a 3/4 inch rebar, in a drill hole, 4 inches deep, with an aluminum cap marked:

DEPENDENT RESURVEY OF THE WEST BOUNDARY,  
(COLORADO GUIDE MERIDIAN), T. 37 S., R. 23 E.,  
SALT LAKE MERIDIAN, UTAH

CHAINS

T37S  
R22E R23E  
1/4  
S25 | S30  
1997

- 79.956** The corner of sections 19, 24, 25, and 30, monumented with a sandstone, 18x12x6 inches firmly set, projecting 6 inches above the ground, marked with 2 notches on the S edge and 4 notches on the N edge.

From this corner, the 1907 bearing tree:

A cedar, 14 inches diameter, bears S. 4° 10' E., 6 lks. dist., marked T37S R23E S30 BT on an open blaze.

At the corner point

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

T37S  
R22E R23E  
S24 | S19  
S25 | S30  
1997

Deposit the marked stone alongside the aluminum post and raise a mound of stone, 3 feet base, 2 feet high, west of the corner.

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N. 0° 05.9' E., between sections 19 and 24.

Over rolling land.

- 40.110** The 1/4 section corner of sections 19 and 24, monumented with a sandstone, 20x7x4 inches, firmly set, projecting 10 inches above the ground, plainly marked 1/4 on W face.

from which the 1907 bearing trees:

A cedar, 8 inches diameter, bears S. 78° E., 42 lks. dist., marked 1/4 S19 BT on an open blaze. (Record, EAST, 5 lks.)

A cedar, 10 inches diameter, bears WEST, 5 lks. dist., marked 1/4 S24 BT on an open blaze. (Record, S. 78° 05' W., 42 lks.)

At the corner point

DEPENDENT RESURVEY OF THE WEST BOUNDARY,  
(COLORADO GUIDE MERIDIAN), T. 37 S., R. 23 E.,  
SALT LAKE MERIDIAN, UTAH

**CHAINS**

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

T37S  
R22E R23E  
1/4  
S24 | S19  
1997

Deposit the marked stone alongside the aluminum post and raise a mound of stone, 3 feet base, 2 feet high, west of the corner.

N. 0° 00.5' E., beginning new measurement.

Over rolling land.

**40.096**

The corner of sections 13, 18, 19, and 24, monumented with a sandstone, 18x8x4 inches, firmly set and projecting 10 inches above the ground, dimly marked with 3 notches on the N and S edges. From which the only remaining original bearing tree:

A cedar, 14 inches diameter, bears S. 42° 45' E., 28 lks. dist., marked  
T37S R23E S19 BT on an open blaze.

At the corner point

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

T37S  
R22E R23E  
S13 | S18  
S24 | S19  
1997

Deposit the marked stone alongside the aluminum post and raise a mound of stone, 3 feet base, 2 feet high, west of the corner.

N. 0° 17.2'E., between sections 13 and 18.

Over rolling land.

**39.975**

The 1/4 section corner of sections 13 and 18, monumented with a sandstone, 18x6x6 inches, lying loose on the ground. No marks could be found. From which the only remaining 1907 bearing tree:

DEPENDENT RESURVEY OF THE WEST BOUNDARY,  
(COLORADO GUIDE MERIDIAN), T. 37 S., R. 23 E.,  
SALT LAKE MERIDIAN, UTAH

CHAINS

A cedar, 14 inches diameter, bears S. 62° 30' W., 16 lks. dist., marked 1/4 S13  
BT on an open blaze.

At the corner point

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

T37S  
R22E R23E  
1/4  
S13 | S18  
1997

Deposit the unmarked stone alongside the aluminum post and raise a mound of stone, 3 feet  
base, 2 feet high, west of the corner.

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N. 0° 04.9' E., beginning new measurement.

Over rolling land.

**40.079** The corner of sections 7, 12, 13, and 18, monumented with a porphyry stone, 18x12x7 inches,  
dimly marked 2 notches on N edge and 4 notches on S edge.

from which the remaining 1907 bearing trees:

A cedar, 10 inches diameter, bears N. 52° 31' E., 31 1/2 lks. dist., marked  
T37S R23E S7 BT on an open blaze.

A cedar, 20 inches diameter, bears S. 57° 39' W., 45 1/2 lks. dist., marked  
T37S R22E S13 BT on an open blaze.

There is no remaining evidence of other bearing trees.

At the corner point

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

T37S  
R22E R23E  
S12 | S7  
S13 | S18  
1997

Deposit the marked stone alongside the aluminum post and raise a mound of stone, 2 feet base,  
1 ft. high, west of the corner.

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DEPENDENT RESURVEY OF THE WEST BOUNDARY,  
(COLORADO GUIDE MERIDIAN), T. 37 S., R. 23 E.,  
SALT LAKE MERIDIAN, UTAH

**CHAINS**

N. 0° 13.6' E., between sections 7 and 12.

Over rolling land.

**39.808**

The 1/4 section corner of sections 7 and 12, determined from the 1907 bearing trees. Falls in a small stream that drains S and cannot be monumented.

From this true point

A cedar, bears N. 10° 02' E., 38 lks. dist., with a partially healed over blaze, and visible scribe marks 1/4 S7 BT.

A cedar, bears S. 86° 28' W., 38 lks. dist., with a partially healed over blaze, and visible scribe marks 1/4 S12 BT.

True corner point is not monumented.

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N. 0° 08.6' E., beginning new measurement.

Over rolling land.

**40.124**

The corner of sections 1, 6, 7, and 12, determined at the corner of fences projecting N and W. This point was shown to me by an interested land owner who stated that he had seen the original rock corner alongside the fence corner post several years ago. He had no knowledge of its whereabouts at the time of this survey. This point is accepted as the true section corner point.

At the corner point

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

T37S	
R22E	R23E
S1	S6
S12	S7
1997	

From this corner, U.S. Coast and Geodetic Survey triangulation station "TROY", monumented with a brass tablet, embedded in concrete, 8 inches diameter, flush with surface of ground, with tablet marked as described in the 1966 geodetic survey, foresight bears S. 33° 04' 49" W., (backsight bearing, N. 33° 03' 27" E.), 297.197 chains distance.

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N. 0° 09.9' W., between sections 1 and 6.

Over gently rolling land.

DEPENDENT RESURVEY OF THE WEST BOUNDARY,  
(COLORADO GUIDE MERIDIAN), T. 37 S., R. 23 E.,  
SALT LAKE MERIDIAN, UTAH

**CHAINS****20.118**

Point for the S 1/16 section corner of sections 1 and 6.

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 20 inches in the ground, and in a collar of stone, to top of aluminum cap marked:

S 1/16  
S1 | S6  
1996

From the corner point, an E and W fence line bears south, 46 1/2 lks. dist.

**40.236**

Point for the 1/4 section corner of sections 1 and 6, at proportionate distance; there is no remaining evidence of the original corner.

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 15 inches in the ground to bedrock, in a mound of stone, 3 1/2 feet base, to top of aluminum cap marked:

T37S  
R22E R23E  
1/4  
S1 | S6  
1996

From the corner point, a N and S fence line bears east, 32 lks. dist.

N. 0° 05.1' E., beginning new measurement.

Over rolling land.

**39.474**

The corner of Tps. 36 and 37 S., Rs. 22 and 23 E., determined by a corner of fences, projecting N, S, and W. This point is accepted as the best available evidence of the true corner position.

At the corner point

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

T36S  
R22E R23E  
S36 | S31  
S1 | S6  
T37S  
1996

DEPENDENT RESURVEY OF A PORTION OF THE NORTH BOUNDARY,  
T. 37 S., R. 23 E., SALT LAKE MERIDIAN, UTAH

**CHAINS**

Dependent Resurvey of a Portion of the North Boundary,  
T. 37 S., R. 23 E., Salt Lake Meridian, Utah

Reestablishment of the Survey executed by  
Miller and Thoma in 1912.

From the 1/4 section corner of sections 6 and 31, Tps. 36 and 37 S., R. 23 E., monumented with an iron post, 1 inch diameter, firmly set, marked and witnessed as described in the 1912 survey.

S. 89° 43.9' W., between sections 6 and 31.

Over rough and broken land.

**19.825** Point for the W 1/16 section corner of sections 6 and 31, on the north boundary of the township.

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 20 inches in the ground, and in a collar of stone, with aluminum cap marked:

W 1/16	<u>S31</u>
	S6
	1996

**37.172** The corner of Tps. 36 and 37 S., Rs. 22 and 23 E., hereinbefore described.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**FIELD ASSISTANTS**

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Name	Capacity
Brandon Sanchez	Surveying Technician
Ryan Christensen	Survey Aid

## CERTIFICATE OF SURVEY

I, *Jerry L. Thomas, Cadastral Surveyor*, hereby certify upon honor that, in pursuance of special instructions bearing the date of the *25th day of June, 1996*, I have *dependently resurveyed the west boundary (Colorado Guide Meridian) and a portion of the north boundary in Township 37 South, Range 23 East*,

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.

February 17, 1998

Date

*Jerry L. Thomas*

(Cadastral Surveyor)

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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 of the west boundary (Colorado Guide Meridian) and a portion of the north boundary in Township 37 South, Range 23 East, Salt Lake Meridian, Utah*,

executed by *Jerry L. Thomas, Cadastral Surveyor*

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

February 23, 1998

Date

*Daniel W. Webb*

(Chief Cadastral Surveyor for Utah)