

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ORIGINAL

FIELD NOTES

OF
THE DEPENDENT RESURVEY OF
A PORTION OF THE SOUTH BOUNDARY,
A PORTION OF THE SUBDIVISIONAL LINES,
THE MEANDER LINES OF THE RIGHT BANK
OF THE
COLORADO RIVER IN THE NW 1/4 OF THE SW 1/4
OF SECTION 29,
AND THE SUBDIVISION OF CERTAIN SECTIONS IN
TOWNSHIP 19 SOUTH, RANGE 26 EAST
OF THE SALT LAKE MERIDIAN
IN THE STATE OF UTAH

EXECUTED BY

Jerry L. Thomas
Cadastral Surveyor

Under special instructions dated *March 18, 1991*, approved *March 21, 1991*, which provided for the surveys included under Group Number 765, and assignment instructions dated *March 18, 1991*.

Survey commenced *October 28, 1991*

Survey completed *November 19, 1991*

INDEX DIAGRAM

Township 19 South, Range 26 East

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TOWNSHIP 19 SOUTH, RANGE 26 EAST, SALT LAKE MERIDIAN, UTAH

CHAINS

The following field notes describe the dependent resurvey of a portion of the south boundary, a portion of the subdivisional lines, the meander lines of the right bank of the Colorado River in the NW 1/4 of the SW 1/4 of section 29, and the subdivision of certain sections, Township 19 South, Range 26 East of the Salt Lake Meridian, Utah.

The south boundary was surveyed by Frank E. Baxter in 1894, and resurveyed by Glen B. Hatch in 1963. A portion of the subdivisional lines were surveyed by Frank E. Baxter in 1894. A portion of the subdivisional lines were surveyed, and a portion resurveyed by Glen B. Hatch in 1963.

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. 765, dated March 18, 1991.

The directions of lines were determined by hour angle observations of the sun and Polaris, carried forward by sustained angulation. 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. Identified corners were remonumented in their original positions; lost corners were restored and monumented at proportionate positions based on the original 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 31 and 36, on the West boundary of the township, as determined by a tie made to U.S. Geological Survey triangulation station "WEST" is as follows:

Latitude $39^{\circ} 06' 37.69''$ N. Longitude $109^{\circ} 05' 17.94''$ W.
N.A.D. 1927

The mean magnetic declination as projected from the U.S. Geological Survey Magnetic Declination Map of 1985, is: $12 \frac{3}{4}^{\circ}$ E.

Dependent Resurvey of a Portion of the South Boundary,
T. 19 S., R. 26 E., Salt Lake Meridian, Utah

Reestablishment of the Survey Executed by
Frank E. Baxter in 1894, and the Resurvey by
Glen B. Hatch in 1963

Beginning at the corner of sections 5, 6, 31, and 32, on the South boundary of the township, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 6 ins. above ground, with brass cap marked as described in the official record.

N. $89^{\circ} 51'$ W., between sections 6 and 31.

DEPENDENT RESURVEY OF A PORTION OF THE SOUTH BOUNDARY,
T. 19 S., R. 26 E., SALT LAKE MERIDIAN, UTAH

CHAINS

Over rolling land.

20.085 Point for the E 1/16 section corner of sections 6 and 31.

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

E 1/16 S31
 S6
 1991

Raise a mound of stone north of the corner.

Enter cultivated land.

40.17 True point for the 1/4 section corner of sections 6 and 31, at proportionate distance. It is now safe to place a monument at this point.

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

T19S R26E
1/4 S31
 S6
 T20S
 1991

Raise a mound of stone north of the corner.

41.17 The witness corner to the 1/4 section corner of sections 6 and 31, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 2 ins. above ground, with brass cap marked as described in the official record.

Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 19 S., R. 26 E., Salt Lake Meridian, Utah

From the corner of sections 5, 6, 31, and 32.

N. 0° 05' W., between sections 31 and 32.

Over rolling land.

20.115 Point for the S 1/16 section corner of sections 31 and 32.

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

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL
LINES, T. 19 S., R. 26 E., SALT LAKE MERIDIAN, UTAH

CHAINS

S 1/16
S31 | S32
1991

Raise a mound of stone west of the corner.

- 40.23** The 1/4 section corner of sections 31 and 32, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 6 ins. above ground, with brass cap marked as described in the official record.

N. 0° 05' W., beginning new measurement.

- 20.025** Point for the N 1/16 section corner of sections 31 and 32.

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

N 1/16
S31 | S32
1991

Raise a mound of stone west of the corner.

- 37.51** The witness corner of sections 29, 30, 31, and 32, identical to meander corner of 1963 resurvey, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 6 ins. above ground, with brass cap marked as described in the official record.

- 40.05** True point for the corner of sections 29, 30, 31, and 32, at record distance from witness corner, falls in channel of Colorado River and cannot be perpetuated.

N. 0° 05' W., between sections 29 and 30.

Over rolling land.

- 1.715** Point for the original meander corner of sections 29 and 30, on the left bank of the Colorado River, at proportionate distance, falls in channel of river and cannot be perpetuated.

- 16.675** Point for the original meander corner of sections 29 and 30, of the right bank of the Colorado River, at proportionate distance, falls in channel of river and cannot be perpetuated.

- 20.13** Point for the S 1/16 section corner of sections 29 and 30, not monumented.

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL
LINES, T. 19 S., R. 26 E., SALT LAKE MERIDIAN, UTAH

CHAINS
22.27

The original witness meander corner of sections 29 and 30, identical to meander corner of 1963 resurvey, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 6 ins. above ground, with brass cap marked as described in the official record.

N. 0° 05' E., beginning new measurement.

17.99

True point for the 1/4 section corner of sections 29 and 30, falls in wash, and is unsafe to monument; there is no remaining evidence of the iron post marked.

18.43

Point selected for the witness corner to the 1/4 section corner of sections 29 and 30.

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

WC
T19S R26E
1/4
S30 ↓ S29
1991

Raise a mound of stone west of the corner.

58.06

The corner of sections 19, 20, 29, and 30, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 6 ins. above ground, with brass cap marked as described in the official record.

Reestablishment of the Survey Executed by
Frank E. Baxter in 1894, and the Resurvey by
Glen B. Hatch in 1963

From the true point for the corner of sections 29, 30, 31, and 32.

N. 89° 43' W., between sections 30 and 31.

Over river channel.

6.85

Point for the meander corner of sections 30 and 31, on the left bank of the Colorado River, at proportionate distance; there is no remaining evidence of the 1963 iron post or 1894 sandstone monuments due to erosion, not monumented.

S. 89° 59' W., beginning new measurement.

13.26

Point for the E 1/16 section corner of sections 30 and 31, falls in Colorado River, not monumented.

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL
LINES, T. 19 S., R. 26 E., SALT LAKE MERIDIAN, UTAH

CHAINS**21.88**

Point for the original meander corner of sections 30 and 31, on the right bank of the Colorado River, at proportionate distance, falls in channel of river and cannot be perpetuated.

28.315

Point for the witness meander corner of sections 30 and 31, on the right bank of the Colorado River, identical with the meander corner of the 1963 resurvey, at proportionate distance. There is no remaining evidence of the iron post due to erosion, not monumented.

33.37

The 1/4 section corner of sections 30 and 31, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 6 ins. above ground, with brass cap marked as described in the official record.

The Subdivisional Lines of Section 29,
T. 19 S., R. 26 E., Salt Lake Meridian, Utah

From the 1/4 section corner of sections 29 and 32, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 6 ins. above ground, with brass cap marked as described in the official record.

N. 0° 07' W., on the N - S center line of section 29.

7.87

Mean high water mark, right bank of Colorado River, unsafe to monument.

9.17

Point selected for the witness meander corner.

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

C
↓ S29
WMC
1991

Raise a mound of stone west of the corner.

20.09

Point for the center S 1/16 section corner of section 29.

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

C
S 1/16 | S29
C
1991

Raise a mound of stone west of the corner.

THE SUBDIVISIONAL LINES OF SECTION 29,
T. 19 S., R. 26 E., SALT LAKE MERIDIAN, UTAH

CHAINS

22.28

Telegraph line, bears E and W.

23.80

Railroad tracks, Denver and Rio Grande railroad, bears E and W.

40.18

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

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

T19S R26E
C 1/4 S29
1991

80.20

The 1/4 section corner of sections 20 and 29, monumented with an iron post, 2 1/2 ins. diam., firmly set and in a mound of stone, 4 ft. base, to top of brass cap marked as described in the official record.

From the 1/4 section corner of sections 28 and 29, monumented with an iron post, 2 1/2 ins. diam., firmly set, with collar of stone to top of brass cap marked as described in the official record.

N. 89° 50' W., on the E-W center line of section 29.

Over rolling land.

39.83

The center 1/4 section corner of section 29.

79.91

True point for the 1/4 section corner of sections 29 and 30.

From the center S 1/16 section corner of section 29.

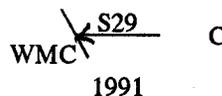
N. 89° 53' W., on the E-W center line of the SW 1/4 of section 29.

Over gentle rolling land.

17.82

Point selected for the witness meander corner on the E-W center line of the SW1/4 of section 29.

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

WMC  C
1991

Raise a mound of stone north of the corner.

THE SUBDIVISIONAL LINES OF SECTION 29,
T. 19 S., R. 26 E., SALT LAKE MERIDIAN, UTAH

CHAINS**20.82**

True point for the meander corner of the E-W center line of the SW1/4 of section 29, of the right bank of the Colorado River.

40.14

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

The Subdivisional Lines of Section 30,
T. 19 S., R. 26 E., Salt Lake Meridian, Utah

From the 1/4 section corner of sections 30 and 31.

N. 0° 08' E., on the N-S center line of section 30.

Over rolling and broken land.

40.19

Point for the center 1/4 sec. corner, at intersection with the E-W center line.

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

T19S R26E
C 1/4 S30
1991

Raise a mound of stone west of the corner.

80.29

The 1/4 section corner of sections 19 and 30, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 6 ins. above ground, with brass cap marked as described in the official record.

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

N. 89° 57' W., on the E-W center line of section 30.

Over rolling and broken land.

40.12

The center 1/4 section corner of section 30.

80.25

The 1/4 section corner of sections 25 and 30, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 6 ins. above ground, with brass cap marked as described in the official record.

The Subdivisional Lines of Section 31,
T. 19 S., R. 26 E., Salt Lake Meridian, Utah

From the 1/4 section corner of sections 6 and 31, on the South boundary of the township, hereinbefore described.

THE SUBDIVISIONAL LINES OF SECTION 31,
T. 19 S., R. 26 E., SALT LAKE MERIDIAN, UTAH

CHAINS

N. 0° 07' W., on the N-S center line of section 31.

Over cultivated land.

20.05 Point for the center S 1/16 section corner of section 31.

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

$$\begin{array}{c} \text{C} \\ \text{S } 1/16 \text{ | S31} \\ \text{C} \\ 1991 \end{array}$$

Set a steel fence post alongside the aluminum post.

40.10 Point for the center 1/4 section corner, at intersection with the E-W center line.

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

$$\begin{array}{c} \text{T19S R26E} \\ \text{C1/4 S31} \\ 1991 \end{array}$$

Set a steel fence post alongside the aluminum post.

60.155 Point for the center N 1/16 section corner of section 31, not monumented.

80.21 The 1/4 section corner of sections 30 and 31.

From the 1/4 section corner of sections 31 and 32.

S. 89° 57' W., on the E-W center line of section 31.

Over rolling land.

20.095 Point for the center E 1/16 section corner of section 31.

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

$$\text{C } \frac{\text{E } 1/16}{\text{S31}} \text{ C}$$

1991

Corner is located in N-S fence line.

THE SUBDIVISIONAL LINES OF SECTION 31,
T. 19 S., R. 26 E., SALT LAKE MERIDIAN, UTAH

CHAINS**40.19**

The center 1/4 section corner of section 31.

80.34

The 1/4 section corner of section 31 and 36, on the West boundary of the township, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 6 ins. above ground, with brass cap marked as described in the official record.

From this corner point, U.S. Geological Survey Triangulation station, "WEST", an aluminum cap, set in bedrock, and marked West 1954, bears S. 66° 55' 06" W., 128.877 chains distance.

From the center E 1/16 section corner of section 31.

N. 0° 06' W., on the N-S center line of the NE 1/4 of section 31.

Over gentle rolling land.

20.04

Point for the NE 1/16 section corner of section 31, at intersection with the E-W center line of the NE 1/4.

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

NE 1/16 S31
1991

Raise a mound of stone west of the corner.

40.10

Point for the E 1/16 section corner of sections 30 and 31.

From the N 1/16 section corner of sections 31 and 32.

West, on the E-W center line of the NE 1/4 of section 31.

Over gentle rolling land.

20.10

The NE 1/16 section corner of section 31.

40.20

Point for the center N 1/16 section corner of section 31.

From the E 1/16 section corner of sections 6 and 31, on the South boundary of the township, hereinbefore described.

N. 0° 06' W., on the N-S center line of the SE 1/4 of section 31.

Over rolling land.

THE SUBDIVISIONAL LINES OF SECTION 31,
T. 19 S., R. 26 E., SALT LAKE MERIDIAN, UTAH

CHAINS
20.08

Point for the SE 1/16 section corner of section 31, at intersection with the E-W center line of the SE 1/4.

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

SE 1/16 S31
1991

Set a steel fence post alongside the aluminum post.

40.16

The center E 1/16 section corner of section 31.

From the S 1/16 section corner of section 31 and 32.

N. 89° 57' W., on the E-W center line of the SE 1/4 of section 31.

Over gentle rolling land.

20.09

The SE 1/16 section corner of section 31, at intersection with the N-S center line.

40.18

The center S 1/16 section corner of section 31.

The Subdivisional Lines of Section 32,
T. 19 S., R. 26 E., Salt Lake Meridian, Utah

From the 1/4 section corner of sections 5 and 32, on the South boundary of the township, monumented with an iron post, 2 1/2 ins. diam., firmly set 6 ins. above ground, with brass cap marked as described in the official record.

N. 0° 02' W., on the N-S center line of section 32.

Over rolling land.

40.20

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

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

T19S R26E
C 1/4 S32
1991

Raise a mound of stone west of the corner.

80.40

The 1/4 section corner of sections 29 and 32.

THE SUBDIVISIONAL LINES OF SECTION 32,
T. 19 S., R. 26 E., SALT LAKE MERIDIAN, UTAH

CHAINS

From the 1/4 section corner of sections 32 and 33, monumented with an iron post, 2 1/2 ins. diam., firmly set 6 ins. above ground, with brass cap marked as described in the official record.

N. 89° 58' W., on the E-W center line of section 32.

Over rolling land.

40.16

The center 1/4 section corner of section 32, at intersection with the N-S center line.

80.33

The 1/4 section corner of sections 31 and 32.

Meanders of the Right Bank of the Colorado River

At the true point for the meander corner on the E-W center line of the SW 1/4 of section 29.

Thence with a traverse along the present right bank of the Colorado River downstream through section 29.

Along well defined bank, through scattered cottonwood trees.

N. 65° 15' W., 3.95 chains

N. 79° 39' W., 5.32 chains

N. 81° 39' W., 2.45 chains

S. 89° 32' W., 2.96 chains

S. 81° 28' W., 5.18 chains To the 1963 meander corner of sections 29 and 30.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

| Name | Capacity |
|--------------|------------|
| Casey Toomer | Survey Aid |
| Shane Dale | Survey Aid |

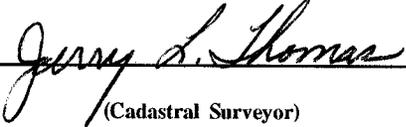
CERTIFICATE OF SURVEY

I, *Jerry L. Thomas, Cadastral Surveyor*, hereby certify upon honor that, in pursuance of special instructions bearing the date of the *18th day of March, 1991*, I have *dependently resurveyed a portion of the south boundary, a portion of the subdivisional lines, the meander lines on the right bank of the Colorado River in the NW 1/4 of the SW 1/4 of section 29; and subdivided certain sections, in Township 19 South, Range 26 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.

September 26, 1995

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 south boundary, a portion of the subdivisional lines, the meander lines on the right bank of the Colorado River in the NW 1/4 of the SW 1/4 of section 29, and the subdivision of certain sections in Township 19 South, Range 26 East, Salt Lake Meridian, Utah,*

executed by *Jerry L. Thomas, Cadastral Surveyor*

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

September 28, 1995

Date


 (Chief, Cadastral Surveyor for Utah)