

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ORIGINAL

FIELD NOTES

OF

THE DEPENDENT RESURVEY OF

THE UTAH - ARIZONA STATE BOUNDARY LINE,

FROM MILE POST 121 TO MILE POST 123,

FROM MILE POST 126 TO MILE POST 127,

A PORTION OF THE WEST BOUNDARY (SALT LAKE MERIDIAN),

A PORTION OF THE NORTH BOUNDARY,

A PORTION OF THE SUBDIVISIONAL LINES,

AND

THE SUBDIVISION OF SECTIONS 3, 4, 6, 8, AND 12,

THE METES-AND-BOUNDS SURVEY OF THE PARIA CANYON

- VERMILION CLIFFS WILDERNESS BOUNDARY,

THE INFORMATIVE TRAVERSE THROUGH SECTIONS 2 AND 8,

IN

TOWNSHIP 44 SOUTH, RANGE 1 EAST,

AND THE METES-AND-BOUNDS SURVEY OF THE PARIA CANYON -

VERMILION CLIFFS WILDERNESS BOUNDARY THROUGH SECTION 1, **T. 44 S., R. 1 W.,**

AND THE INFORMATIVE TRAVERSE THROUGH SECTION 36, **T. 43 S., R. 1 E.,**

OF THE SALT LAKE MERIDIAN
IN THE STATE OF UTAH

EXECUTED BY

Jeremy D. Davis, Cadastral Surveyor
under the Supervision of
Ronald K. Baugh, Supervisory Cadastral Surveyor

Under Special Instructions dated **July 20, 2004**, approved **July 20, 2004**, which provided for the surveys included under Group Number **987**, and Assignment Instructions dated **July 20, 2004**, and Reassignment Instructions dated **July 20, 2007**.

Survey commenced, **August 5, 2004**
Survey completed, **April 2, 2008**

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TOWNSHIP 44 SOUTH, RANGE 1 EAST, SALT LAKE MERIDIAN, UTAH.

The following field notes are those of the dependent resurvey of the Utah - Arizona State Boundary Line, from Mile Post 121 to Mile Post 123, and Mile Post 126 to Mile Post 127, a portion of the west boundary (Salt Lake Meridian), a portion of the north boundary, a portion of the subdivisional lines, and the subdivision of sections 3, 4, 6, 8, and 12, the metes-and-bounds survey of the Paria Canyon - Vermilion Cliffs Wilderness boundary, the informative traverse through sections 2 and 8, in T. 44 S., R. 1 E., the metes-and-bounds survey of the Paria Canyon - Vermilion Cliffs Wilderness boundary through section 1, T. 44 S., R. 1 W., and the informative traverse through section 36, T. 43 S., R. 1 E., Salt Lake Meridian, Utah.

HISTORY OF SURVEYS

Surveyed by		Retr. or Resurveyed by	
SOUTH BOUNDARY (UTAH - ARIZONA STATE BOUNDARY)			
All	H.B. Carpenter	1901	
Portion			A. Nelson & E. Bird 1917
Portion			G.B. Hatch 1964
EAST BOUNDARY			
All	A. Nelson & E. Bird	1917	
WEST BOUNDARY (SALT LAKE MERIDIAN)			
Portion	A. Nelson & E. Bird	1917	
Portion	G.B. Hatch	1964	
Portion			J.D. Davis & R.K. Baugh 2004-08 (Concurrently)
NORTH BOUNDARY			
All	J.G. Burrill	1877	
All	A. Nelson & E. Bird	1917	A. Nelson & E. Bird 1917
SUBDIVISION			
Portion	A. Nelson & E. Bird	1917	
Portion	G.B. Hatch	1964	

TOWNSHIP 44 SOUTH, RANGE 1 EAST, SALT LAKE MERIDIAN, UTAH.

This survey is to establish the boundary of the Paria Canyon - Vermilion Cliffs Wilderness, as set forth in Public Law 98-406, and the legal description and map dated September 29, 1986.

Note: The angle points in the metes-and-bounds survey of the Paria Canyon - Vermilion Cliffs Wilderness boundary are numbered from one (1) to sixty (60) in the field notes and plat of T. 44 S., R. 1 E., and are for reference purposes only. Monuments in the field bear the marks 'AP' only.

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. 987, dated July 20, 2004.

The directions of the lines were determined by references to true meridian, established by Global Positioning System (GPS) utilizing Real-Time Kinematic (RTK) techniques throughout the survey. The positional accuracy of this survey complies with the *Standards and Guidelines for Cadastral Surveys Using Global Positioning System Methods*, dated May 9, 2001, Version 1.0. Trimble 5700 and 5800 GPS receivers 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 prior surveys were retraced and a search was made for all corners and other calls of record. Identified corners were remonumented in their original positions. Lost corners were reestablished and remonumented at proportionate positions based on the official record. The retracement data was thoroughly verified and only the true line field notes are given herein.

Geodetic control was derived from GPS static observations, post processed by National Geodetic Survey, Online Positioning User Service (OPUS), utilizing Continuously Operating Reference Stations (CORS); KINGMAN CORS ARP, MARYSVALE_UT2006 CORS ARP, and FLAGSTAFF 1 CORS ARP.

The geographic position of the 127th Mile Post on the Utah - Arizona State Boundary Line, as determined by direct RTK methods from the National Geodetic Survey OPUS solution, is as follows:

Latitude: 37° 00' 04.423" N.

Longitude: 111° 44' 53.675" W.

N.A.D. 83, Network Accuracy = 0.200 meter at 95% confidence.

DEPENDENT RESURVEY OF THE UTAH - ARIZONA STATE BOUNDARY LINE,
FROM MILE POST 121 TO MILE POST 123, AND MILE POST 126 TO MILE POST 127,
TOWNSHIP 44 SOUTH, RANGE 1 EAST, SALT LAKE MERIDIAN, UTAH

CHAINS

Dependent Resurvey of the Utah - Arizona State Boundary Line,
from Mile Post 121 to Mile Post 123, and Mile Post 126 to Mile Post 127,
T. 44 S., R. 1 E., Salt Lake Meridian, Utah

Reestablishment of the Survey Executed by H. B. Carpenter
in 1901, and the Retracement Executed by A. Nelson
and E. Bird in 1917, and G. B. Hatch in 1964

Beginning at the true point for Mile Post 121, as determined at
record bearing and distance from the 1917 witness corner; not
monumented.

A sandstone, 30x20x12 inches, bears NORTH, 22.000 chains
distance, firmly set, and marked as described in the official
record of the 1917 survey.

I add a small drill hole at top of the sandstone, and raise a
mound of stone, 4 feet base, 4 feet high, east of the sandstone.

Corner is located on south-facing rim of Bridger Point, bears
east and west.

N. 89°48.9' E., between Mile Post 121 and Mile Post 122.

62.977 The 1/4 section corner of section 7 only, monumented with an iron
post, 2 1/2 inch diameter, firmly set, in a mound of stone,
projecting 16 inches above the ground to top of brass cap marked
as described in the official record of the 1964 retracement.

Corner is located on a westerly-facing slope on the north rim of
a canyon.

77.329 Point for Angle Point 47 of the Paria Canyon - Vermilion Cliffs
Wilderness boundary, hereinafter described.

79.966 Mile Post 122, monumented with an iron post, 2 1/2 inches
diameter, firmly set, projecting 10 inches above the ground, with
brass cap marked as described in the official record of the 1964
retracement.

N. 89° 45.0' E., between Mile Post 122 and Mile Post 123.

11.545 Point for Angle Point 46 of the Paria Canyon - Vermilion Cliffs
Wilderness boundary, hereinafter described.

23.004 True point for the closing corner of sections 7 and 8,
hereinafter described.

63.066 The 1/4 section corner of section 8 only, monumented with an iron
post, 2 1/2 inches diameter, firmly set, in a mound of stone,

DEPENDENT RESURVEY OF THE UTAH - ARIZONA STATE BOUNDARY LINE,
FROM MILE POST 121 TO MILE POST 123, AND MILE POST 126 TO MILE POST 127,
TOWNSHIP 44 SOUTH, RANGE 1 EAST, SALT LAKE MERIDIAN, UTAH

CHAINS

with brass cap marked as described in the official record of the 1964 retracement.

79.119 True point for Mile Post 123; not monumented.

From the true point for Mile Post 123, as determined at record bearing and distance from the 1917 witness corner.

A sandstone, 18x8x8 inches, bears NORTH, 21.810 chains distance, firmly set, and marked as described in the official record of the 1917 survey.

Reestablishment of the Survey Executed by H. B. Carpenter
in 1901, and the Resurvey Executed by A. Nelson
and E. Bird in 1917

From Mile Post 126, monumented with an iron post, 2 inches diameter, firmly set, in a mound of stone, with brass cap marked as described in the official record of the 1917 retracement.

N. 89°50.9' E., between Mile Post 126 and Mile Post 127.

24.374 True point for the closing corner of sections 11 and 12 only, hereinafter described.

44.449 Point for the W 1/16 section corner of section 12 only; not monumented.

64.524 The 1/4 section corner of section 12 only, monumented with an iron post, 1 inch diameter, firmly set, in a small mound of stone, with brass cap marked as described in the official record of the 1917 retracement.

Corner is located on top of sandy ridge in scattered piñon and juniper growth.

72.272 Point for Angle Point 1 of the Paria Canyon - Vermilion Cliffs Wilderness boundary, hereinafter described.

79.579 Mile Post 127, monumented with an iron post, 2 inches diameter, firmly set, projecting 4 feet above the ground, with brass cap marked as described in the official record of the 1901 survey.

I reset the iron post to project 24 inches above the ground.

Corner is located on level sandy ground.

DEPENDENT RESURVEY OF A PORTION OF THE WEST BOUNDARY
(SALT LAKE MERIDIAN),
TOWNSHIP 44 SOUTH, RANGE 1 EAST, SALT LAKE MERIDIAN, UTAH

CHAINS

Dependent Resurvey of a Portion of the West Boundary
(Salt Lake Meridian),
T. 44 S., R. 1 E., Salt Lake Meridian, Utah

Reestablishment of the Survey Executed by
A. Nelson and E. Bird in 1917

From the corner of sections 1 and 36 only, Tps. 43 and 44 S., R. 1 W., monumented with an X chiseled in a steep sandstone face, as described in the official record of the 1917 survey.

Note: A. Nelson described this corner as impossible to perpetuate.

S. 0°00.7' W., on the east boundary of section 1, T. 44 S., R. 1 W.

0.500 The witness corner for the corner of Tps. 43 and 44 S., R. 1 W., monumented with an iron post, 3 inches diameter, firmly set, in a mound of stone, with brass cap marked as described in the official record of the 1917 survey.

from which the original bearing tree

A juniper limb, 8 inches diameter, bears S. 46° W., 53 links distance, scribed WC T44S R1W S1 BT. (Record: S. 42 1/2° W., 52 links)

There is no remaining evidence of the northwest bearing tree.

Corner is located on top of a finger ridge in sandy soil.

8.047 True point for the closing corner of Tps. 43 and 44 S., R. 1 E., hereinafter described.

40.136 The 1/4 section corner of section 1 only, T. 44 S., R. 1 W., monumented with an iron post, 1 inch diameter, loosely set, in a mound of stone, 4 feet base to top of brass cap marked as described in the official record of the 1917 survey.

There is no remaining evidence of the northwest bearing tree.

Corner is located near the base of a sandstone ledge, bears east and west.

S. 0°04.9' W., beginning new measurement.

7.952 The 1/4 section corner of section 6 only, monumented with an iron post, 1 inch diameter, firmly set, in a mound of stone, 4 feet base to top of brass cap marked as described in the official record of the 1917 survey.

DEPENDENT RESURVEY OF A PORTION OF THE WEST BOUNDARY
(SALT LAKE MERIDIAN),
TOWNSHIP 44 SOUTH, RANGE 1 EAST, SALT LAKE MERIDIAN, UTAH

CHAINS

from which the original bearing tree

A juniper, dead and standing, 6 inches diameter, bears N. 64° E., 54 links distance, with no visible scribe marks.
(Record: N. 70° E., 70 links)

Corner is located at the top of a 30 feet high ledge, bears east and west.

11.966 Intersect the line between Angle Point Nos. 56 and 57, of the Paria Canyon - Vermilion Cliffs Wilderness boundary, hereinafter described.

39.986 The corner of sections 1 and 12 only, T. 44 S., R. 1 W., monumented with an iron post, 2 inches diameter, firmly set, projecting 12 inches above the ground, with brass cap marked as described in the official record of the 1917 survey.

from which the original bearing trees

A juniper, 12 inches diameter, bears S. 58 3/4° W., 135 links distance, scribed T44S R1W S12 BT.

A juniper, 8 inches diameter, bears N. 22 1/2° W., 62 links distance, scribed T44S R1W S1 BT.

Corner is located on level sandy ground.

Note: This point also functions as Angle Point No. 52 of the Paria Canyon - Vermilion Cliffs Wilderness boundary.

S. 0°03.2' W., on the east boundary of section 12, T. 44 S., R. 1 W.

8.063 The corner of sections 6 and 7 only, monumented with an iron post, 2 inches diameter, firmly set, projecting 8 inches above the ground, with a brass cap marked as described in the official record of the 1917 survey.

from which the original bearing trees

A juniper, 16 inches diameter, bears N. 22° E., 263 links distance, scribed T44S R1E S6 BT. (Record: N. 38 1/2° E., 185 links)

A juniper, 16 inches diameter, bears S. 40° E., 109 links distance, scribed T44S R1W S7 BT. (Record: S. 46 1/2° E., 110 links)

Corner is located in sandy soil on a gradual southeast-facing slope.

DEPENDENT RESURVEY OF A PORTION OF THE NORTH BOUNDARY,
TOWNSHIP 44 SOUTH, RANGE 1 EAST, SALT LAKE MERIDIAN, UTAH

CHAINS

Dependent Resurvey of a Portion of the North Boundary,
T. 44 S., R. 1 E., Salt Lake Meridian, Utah

Reestablishment of the Survey Executed by J.G. Burrill
in 1877, and the Dependent Resurvey Executed
by A. Nelson and E. Bird in 1917

From the corner of Tps. 43 and 44 S., Rs. 1 and 2 E., monumented
with an iron post, 3 inches diameter, firmly set, projecting 10
inches above the ground, with brass cap marked as described in
the official record of the 1917 survey.

There is no remaining evidence of the 1917 bearing trees.

S. 89°33.6' W., between sections 1 and 36.

28.920 Intersect the line between Angle Point Nos. 25 and 26 of the
Paria Canyon - Vermilion Cliffs Wilderness boundary, hereinafter
described.

40.108 The 1/4 section corner of section 36 and 1, as determined at
record bearing and distance from the remains of the 1917 bearing
tree.

A juniper limb, 8 inch diameter, bears N. 2° W., 483 links
distance, scribed 1/4 S36 BT.

At the corner point

Set a stainless steel post, 30 inches long, 2 1/2 inches diameter,
24 inches in the ground, with brass cap marked:

T43S R1E
S36
1/4 ———
S1
T44S R1E
2004

Deposited a magnet enclosed in a plastic case at the base of the
stainless steel post.

I raise a small mound of stone north of the stainless steel post.

Set a steel fence post alongside the stainless steel post.

Corner is located on level sandy ground.

N. 89°55.5' W., beginning new measurement.

40.091 The corner of sections 1, 2, 35 and 36, monumented with an iron
post, 2 inches diameter, firmly set, projecting 16 inches above

DEPENDENT RESURVEY OF A PORTION OF THE NORTH BOUNDARY,
TOWNSHIP 44 SOUTH, RANGE 1 EAST, SALT LAKE MERIDIAN, UTAH

CHAINS

the ground, with brass cap marked as described in the official record of the 1917 survey.

Corner is located on top of a ridge in sandy soil.

Reestablishment the Survey Executed by A. Nelson
and E. Bird in 1917

From the 1/4 section corner of section 6 and 31, on the north boundary of the township, monumented with an iron post, 1 inch diameter, loosely set, projecting 20 inches above the ground, with brass cap marked as described in the official record of the 1917 survey.

from which the 1917 bearing tree

A juniper, 12 inches diameter, bears S. 67° E., 329 links distance to root hole, marked 1/4 S6 BT. (Record: S. 70° E., 333 links)

There is no remaining evidence of the northeast bearing tree.

The bottom of a wash bears north, 30 links distance, and drains southwest.

Corner is located on steep sandy bank.

N. 89°58.7' W., between sections 6 and 31.

42.735 True point for the closing corner of T. 43 and 44 S., R. 1 E.; not monumented.

From this corner point, the closing corner of T. 43 and 44 S., R. 1 E., bears N. 89°58.7' W., 0.012 chains distance, monumented with an iron post, 3 inches diameter, firmly set, in a mound of stone, with brass cap marked as described in the official record of the 1917 survey.

from which the original bearing tree

A juniper, 8 inches diameter, bears S. 88° E., 7 links distance, with visible scribe marks. (Record: S. 87° E., 9 links)

There is no remaining evidence of the northeast bearing tree.

This closing corner will now function as an amended monument. I add the marks AM 2008 to brass cap.

Corner is located on top of a sandstone finger ridge, bears southwest.

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,
TOWNSHIP 44 SOUTH, RANGE 1 EAST, SALT LAKE MERIDIAN, UTAH

CHAINS

Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 44 S., R. 1 E., Salt Lake Meridian, Utah

Reestablishment of the Survey Executed by
A. Nelson and E. Bird in 1917

From the corner of sections 1, 2, 35, and 36 on the north boundary of the township, hereinbefore described.

S. $0^{\circ}04.2'$ W., between sections 1 and 2.

39.997 True point for the 1/4 section corner of sections 1 and 2, at proportionate distance; there is no remaining evidence of the original corner.

True point is located in an area susceptible to erosion; not monumented.

41.507 Point selected for the witness 1/4 section corner of sections 1 and 2.

Set a stainless steel post, 30 inches long, 2 1/2 inches diameter, 24 inches in the ground, with brass cap marked:

T44S R1E
WC
1/4
S2 | S1
2004

Deposited a magnet enclosed in a plastic case at the base of the stainless steel post.

Set a steel fence post alongside the stainless steel post.

Corner is located 152 links south of the main drainage through Judd Hollow, drains southwest.

79.994 The corner of sections 1, 2, 11, and 12, monumented with an iron post, 2 inches diameter, firmly set, in a mound of stone, with brass cap marked as described in the official record of the 1917 survey.

from which the original bearing trees

A piñon, 18 inches diameter, bears N. 8° E., 53 links distance, scribed T44S R1E S1 BT. (Record: N. $10\ 1/2^{\circ}$ E., 50 links)

A piñon, 18 inches diameter, bears WEST, 79 links distance, scribed T44S R1E S11 BT. (Record: S. $88\ 1/2^{\circ}$ W., 76 links)

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,
TOWNSHIP 44 SOUTH, RANGE 1 EAST, SALT LAKE MERIDIAN, UTAH

CHAINS

There is no remaining evidence of the southeast or northwest bearing tree.

Corner is located on solid bedrock with broken ledges.

From the 1/4 section corner of section 1 and 12, monumented with an iron post, 1 inch diameter, firmly set, 8 inches above ground, with brass cap marked as described in the official record of the 1917 survey.

There is no remaining evidence of the original bearing trees.

N. 89°57.0' W., between sections 1 and 12.

- 20.041** Point for the W 1/16 section corner of sections 1 and 12; not monumented.
- 31.820** Intersect the line between Angle Points 18 and 19 of the Paria Canyon - Vermilion Cliffs Wilderness boundary, hereinafter described.
- 40.082** The corner of sections 1, 2, 11, and 12.
-

S. 0°05.7' W., between sections 11 and 12.

- 20.016** Point for the N 1/16 section corner of sections 11 and 12; not monumented.
- 22.287** The closing corner of sections 11 and 12 only, monumented with an iron post, 2 inches diameter, firmly set, in a mound of stone, with brass cap marked as described in the official record of the 1917 survey.
- There is no remaining evidence of original bearing trees.
- This closing corner will now function as an amended monument. I add the marks AM 2008 to the brass cap.
- 22.308** True point for the closing corner of sections 11 and 12 only, at intersection with the Utah - Arizona State Boundary Line, hereinbefore described.
-

From the 1/4 section corner of sections 2 and 3, monumented with an iron post, 1 inch diameter, firmly set, 8 inches above the ground, with brass cap marked as described in the official record of the 1917 survey.

from which the original bearing tree

A juniper, 16 inches diameter, bears N 58° E., 80 links distance, scribed 1/4 S2 BT. (Record: N. 56 1/2° E., 78 links)

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,
TOWNSHIP 44 SOUTH, RANGE 1 EAST, SALT LAKE MERIDIAN, UTAH

CHAINS

There is no remaining evidence of the northwest bearing tree.

Corner is located on rolling sand dunes with scattered juniper growth.

S. 0°00.4' E., between sections 2 and 3.

39.962 True Point for corner of sections 2, 3, 10, and 11, falls on steep slope, where it is impossible to monument; not monumented.

From this true point, a witness section corner, bears S. 89°58.2' E., 3.700 chains distance, hereinafter described.

From the corner of sections 1, 2, 11 and 12.

N. 89°54.9' W., between sections 2 and 11.

39.933 The 1/4 section corner of section 2 and 11, monumented with an iron post, 1 inch diameter, firmly set, 20 inches above the ground, with brass cap marked as described in the official record of the 1917 survey.

from which the original bearing trees

A juniper, 16 inches diameter, bears N. 20° E., 72 links distance, scribed 1/4 S2 BT. (Record: N. 15 1/4° E., 71 links)

A juniper limb, 10 inches diameter, bears S. 78° E., 176 links distance, with visible scribe marks in a mostly healed blaze. (Record: S. 76 3/4° E., 117 links)

I raise a mound of stone, 3 1/2 foot base by 1 foot high, around the iron post.

Corner is located on gradual northwest-facing sandy slope.

N. 89°58.2' W., beginning new measurement.

36.277 The witness corner for the corner of sections 2, 3, 10, and 11, monumented with an iron post, 2 inches diameter, loosely set, in a mound of stone, with brass cap marked as described in the official record of the 1917 survey.

from which the original bearing trees

A juniper limb, 10 inches diameter, bears N. 70° E., 122 links distance, with visible scribe marks. (Record: N. 76 1/4° E., 120 links)

A juniper, 16 inches diameter, bears S. 62° E., 93 links distance, scribed WC T44S R1E S11 BT. (Record: S. 61 1/4° E., 90 links)

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,
TOWNSHIP 44 SOUTH, RANGE 1 EAST, SALT LAKE MERIDIAN, UTAH

CHAINS

A juniper, 20 inches diameter, bears S. 20° W., 83 links distance, with visible scribe marks in a partially healed blaze. (Record: S. 17° W., 81 links)

I raise a mound of stone, 4 feet base, 2 feet high, around the iron post.

Corner is located at base of rock ledges.

39.977 The true point for the corner of sections 2, 3, 10, and 11.

Reestablishment the Survey Executed by A. Nelson and E. Bird in 1917, and the Resurvey Executed by G.B. Hatch in 1964

From the 1/4 section corner of sections 3 and 4, monumented with an iron post, 1 inch diameter, firmly set, 10 inches above the ground, with brass cap marked as described in the official record of the 1917 survey.

There is no remaining evidence of the original bearing trees.

Set a steel fence post alongside the iron post.

Corner is located in sandy soil in scattering juniper growth.

S. 0°16.9' W., between sections 3 and 4.

19.794 The witness point between sections 3 and 4, monumented with an iron post, 2 inch diameter, firmly set, in a mound of stone, with brass cap marked as described in the official record of the 1964 resurvey.

Corner is located on an open moderate northeast-facing slope.

Reestablishment of the Survey Executed by G.B. Hatch in 1964

S. 0°07.7' W., beginning new measurement.

0.210 Point for the S 1/16 section corner, between sections 3 and 4, at proportionate distance.

Set a stainless steel post, 30 inches long, 2 1/2 inches diameter, 22 inches in the ground, in a collar of stone, with brass cap marked:

S1/16
S4 | S3
2006

Deposited a magnet enclosed in a plastic case at the base of the stainless steel post.

Set a steel fence post alongside the stainless steel post.

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,
TOWNSHIP 44 SOUTH, RANGE 1 EAST, SALT LAKE MERIDIAN, UTAH

CHAINS

Corner is located on a moderate northeast-facing slope.

Note: This point also functions as Angle Point No. 28 of the Paria Canyon - Vermilion Cliffs Wilderness boundary.

- 20.215 The corner of sections 3, 4, 9, and 10, monumented with an iron post, 1 inch diameter, firmly set, projecting 5 inches above the ground, with brass cap marked as described in the official record of the 1964 survey.

Corner is located on a small shelf at the base of a ledge.

From the true point for the corner of sections 2, 3, 10 and 11.

N. 89°59.4' W., between sections 3 and 10.

- 40.168 The 1/4 section corner of section 3 and 10, monumented with an iron post, 2 1/2 inches diameter, firmly set in a mound of stone, 3 feet base, 2 feet high, with brass cap marked as described in the official record of the 1964 survey.

Corner is located on the east side of wash, 38 links from bottom, drains S. 30° W.

S. 89°54.9' W., beginning new measurement.

- 40.006 The corner of sections 3, 4, 9, and 10.
-

Reestablishment of the Survey Executed by A. Nelson
and E. Bird in 1917.

From the 1/4 section corner of section 4 and 5, monumented with an iron post, 1 inch diameter, loosely set, in a mound of stone, with brass cap marked as described in the official record of the 1917 survey.

from which the original bearing trees

A juniper, 16 inches diameter, bears S. 35° E., 123 links distance, scribed 1/4 S4 BT. (Record: S. 36 1/4° E., 124 links)

A juniper limb, 12 inches diameter, bears S. 20 1/2° W., 157 links distance, scribed 1/4 S5 BT. (Record: 149 links)

I rebuild mound of stone, 3 feet base, 2 feet high, to 8 inches below top of brass cap.

Corner is located on level ground in rock ledges.

S. 0°03.7' W., between sections 4 and 5.

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,
TOWNSHIP 44 SOUTH, RANGE 1 EAST, SALT LAKE MERIDIAN, UTAH

CHAINS

40.003 The corner of sections 4, 5, 8, and 9, monumented with an iron post, 2 inches diameter, firmly set, projecting 8 inches above the ground, with brass cap marked as described in the official record of the 1917 survey.

from which the original bearing trees

A juniper limb, 8 inches diameter, bears N. 13° E., 95 links distance, with visible scribe marks in a partially healed blaze. (Record: N. 13 1/2° E., 94 links)

A juniper limb, 12 inches diameter, bears S. 31° W., 135 links distance to scribe, scribed T44S R1E S8 BT. (Record: S. 34 1/2° W., 133 links)

There is no remaining evidence of the southeast or northwest bearing trees.

Corner is located on a level sandy ground.

Note: This point also functions as the intersection of the line between Angle Points 37 and 38 of the Paria Canyon - Vermilion Cliffs Wilderness boundary.

Reestablishment of the Survey Executed by G.B. Hatch in 1964.

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

N. 89°55.9' W., between sections 4 and 9.

40.127 The 1/4 section corner of section 4 and 9, monumented with an iron post, 1 inch diameter, firmly set in a mound of stone, 3 feet base, 2 feet high, with brass cap marked as described in the official record of the 1964 survey.

Corner is located on a bench of the steep west-facing slope of a sandstone dome.

N. 89°59.1' W., beginning new measurement.

39.887 The corner of sections 4, 5, 8, and 9.

Reestablishment of the Survey Executed by
A. Nelson and E. Bird in 1917

From the 1/4 section corner of section 5 and 6, monumented with an iron post, 1 inch diameter, firmly set, projecting 12 inches above the ground, with brass cap marked as described in the official record of the 1917 survey.

Corner is located on level sandy ground.

S. 0°02.1' W., between sections 5 and 6.

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,
TOWNSHIP 44 SOUTH, RANGE 1 EAST, SALT LAKE MERIDIAN, UTAH

CHAINS

- 40.003** The corner of sections 5, 6, 7, and 8, monumented with an iron post, 2 inches diameter, firmly set, projection 10 inches above the ground, with brass cap marked as described in the official record of the 1917 survey.

from which the original bearing trees

A juniper, 18 inches diameter, bears N. 38° E., 301 links distance, with no visible scribe marks or blaze. (Record: 299 links)

A juniper limb, 12 inches diameter, bears N. 20° W., 352 links distance, scribed T44S R1E S6 BT. (Record: N. 20 1/2° W., 349 links)

Corner is located on rolling sandy ground.

From the corner of sections 4, 5, 8 and 9,

S. 89°57.9' W., between sections 5 and 8.

- 23.839** The witness Mile Post 123 corner, bears SOUTH, 0.700 chains distance, hereinbefore described.

- 39.905** The 1/4 section corner of section 5 and 8, monumented with an iron post, 1 inch diameter, firmly set, projecting 16 inches above the ground, with brass cap marked as described in the official record of the 1917 survey.

from which the original bearing trees

A juniper, 18 inches diameter, bears N. 26° E., 266 links distance, with no visible scribe marks. (Record: N. 26° 40' E., 235 links)

A juniper, 12 inches diameter, bears S. 78° E., 308 links distance, with no visible scribed marks. (Record: S. 76 3/4° E., 337 links)

Corner is located in rolling sand dunes with scattered juniper growth.

From the corner of sections 6 and 7 only, on the west boundary of the township, hereinbefore described.

S. 89°59.3' E., between sections 6 and 7.

- 22.285** Intersect the line between Angle Points 49 and 50 of the Paria Canyon - Vermilion Cliffs Wilderness boundary, hereinafter described.

- 42.731** The 1/4 section corner of section 6 and 7, monumented with an iron post, 1 inch diameter, firmly set, 6 inches below ground surface, with brass cap marked as described in the official record of the 1917 survey.

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,
TOWNSHIP 44 SOUTH, RANGE 1 EAST, SALT LAKE MERIDIAN, UTAH

CHAINS

from which the original bearing trees

A juniper, 36 inches diameter, bears S. 18° E., 72 links
distance, scribed 1/4 S7 BT. (Record: S. 20° E., 73 links)

A juniper, 36 inches diameter, bears N. 37° W., 101 links
distance, scribed 1/4 S6 BT. (Record: N. 37 3/4° W., 95
links)

Corner is located in sand dunes with scattered juniper growth.

S. 89°59.9' E., beginning new measurement.

40.007 The corner of sections 5, 6, 7, and 8.

S. 0°02.5' W., between sections 7 and 8.

15.455 Intersect the line between Angle Points 43 and 44 of the Paria
Canyon - Vermilion Cliffs Wilderness boundary, hereinafter
described.

22.748 True point for the closing corner of sections 7 and 8, at
intersection with the Utah - Arizona State Boundary Line; not
monumented.

From this corner point, the closing corner of sections 7 and 8,
monumented with an iron post, 2 inch diameter, firmly set, in a
mound of stone, with brass cap marked as described in the
official record of the 1917 survey, bears S. 0°02.5' W., 0.112
chains distance

from which the original bearing trees

A juniper, 8 inches diameter, bears N. 20° E., 55 links
distance, scribed CC T44S R1E S8 BT. (Record: N. 19 3/4°
E., 51 links)

A juniper, 16 inches diameter, bears N. 62° W., 88 links
distance, with no visible scribe marks. (Record: N. 63 1/2°
W.)

This closing corner will now function as an offline amended
monument. I add the marks AM 2008 to brass cap.

The Subdivision of Section 3,
T. 44 S., R. 1 E., Salt Lake Meridian, Utah

From the 1/4 section corner of sections 3 and 10.

N. 0°06.4' E., on the N - S centerline of section 3.

THE SUBDIVISION OF SECTION 3,
TOWNSHIP 44 SOUTH, RANGE 1 EAST, SALT LAKE MERIDIAN, UTAH

CHAINS

39.951 Point for the center 1/4 section corner, at intersection with the E - W centerline of section 3.

Set an aluminum rod, 36 inches long, 5/8 inch diameter, 20 inches in the ground, 3 1/4 inches diameter, with aluminum cap marked:

T44SR1E
C1/4
S3
2006

Set a steel fence post alongside the aluminum rod.

Corner is located on a moderate south-facing slope.

79.972 The 1/4 section corner of section 3 and 34, on the north boundary of the township, as determined at record bearing and distance from the remains of the southeast 1917 bearing tree.

A juniper stump, 10 inch diameter, bears S. 58 1/4° E., 168 links distance, no visible scribe marks.

At the corner point

Set a stainless steel post, 30 inches long, 2 1/2 inches diameter, 24 inches in the ground, with brass cap marked:

T43S R1E
S34
1/4 ———
S3
T44S R1E
2004

Deposited a magnet enclosed in a plastic case at the base of the stainless steel post.

Found a juniper, dead and standing, 8 inch diameter, bears N. 19 1/4° W., 236 links distance, no visible scribe marks. This bearing tree was not used to determine corner location.

Set a steel fence post alongside the stainless steel post.

Corner is located on sandy ground.

From the 1/4 section corner of sections 2 and 3.

S. 89°59.7' W., on the E - W centerline of section 3.

40.086 The center 1/4 section corner of section 3.

80.021 The 1/4 section corner of sections 3 and 4.

THE SUBDIVISION OF SECTION 4,
TOWNSHIP 44 SOUTH, RANGE 1 EAST, SALT LAKE MERIDIAN, UTAH

CHAINS

The Subdivision of Section 4,
T. 44 S., R. 1 E., Salt Lake Meridian, Utah

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

N. 0°09.1' E., on the N - S centerline of section 4.

- 23.927** Intersect the line between Angle Points 33 and 34 of the Paria Canyon - Vermilion Cliffs Wilderness boundary, hereinafter described.
- 39.987** Point for the center 1/4 section corner, at intersection with the E - W centerline of section 4; not monumented.
- 79.966** The 1/4 section corner of section 4 and 33, on the north boundary of the township, monumented with an iron post, 1 inch diameter, firmly set, bent over at ground level, with brass cap marked as described in the official record of the 1917 resurvey.

from which the 1917 bearing tree

A juniper, 12 inches diameter, bears S. 12° W., 100 links distance, with visible scribe marks in a partially healed blaze. (Record: S. 12 1/2° W.)

There is no remaining evidence of the northwest bearing tree.

I straighten iron post and reset, projecting 8 inches above the ground.

Corner is located on top of 30 feet high ledge, bears east and west.

From the 1/4 section corner of sections 3 and 4.

N. 89°57.7' W., on the E - W centerline of section 4.

- 40.159** The point for the center 1/4 section corner of section 4.
- 80.106** The 1/4 section corner of sections 4 and 5.

The Subdivision of Section 6,
T. 44 S., R. 1 E., Salt Lake Meridian, Utah

From the 1/4 section corner of sections 6 and 7.

N. 0°03.6' E., on the N - S centerline of section 6.

- 40.053** Point for the center 1/4 section corner, at intersection with the E - W centerline of section 6; not monumented.

THE SUBDIVISION OF SECTION 6,
TOWNSHIP 44 SOUTH, RANGE 1 EAST, SALT LAKE MERIDIAN, UTAH

CHAINS

54.302 Point for Angle Point 60 of the Paria Canyon - Vermilion Cliffs Wilderness boundary, hereinafter described.

80.133 The 1/4 section corner of sections 6 and 31.

From the 1/4 section corner of sections 5 and 6.

N. 89°55.6' W., on the E - W centerline of section 6.

39.986 The center 1/4 section corner of section 6.

71.418 Intersect the line between Angle Points 57 and 58 of the Paria Canyon - Vermilion Cliffs Wilderness boundary, hereinafter described.

82.699 The 1/4 section corner of section 6 only, on the west boundary of the township, hereinbefore described.

The Subdivision of Section 8,
T. 44 S., R. 1 E., Salt Lake Meridian, Utah

From the 1/4 section corner of sections 5 and 8.

S. 0°02.0' E., on the N - S centerline of section 8.

6.993 Intersect the line between Angle Points 41 and 42 of the Paria Canyon - Vermilion Cliffs Wilderness boundary, hereinafter described.

22.542 The 1/4 section corner of section 8 only, on the Utah - Arizona State Boundary, hereinbefore described.

The Subdivision of Section 12,
T. 44 S., R. 1 E., Salt Lake Meridian, Utah

From the 1/4 section corner of sections 1 and 12.

S. 0°04.4' E., on the N - S centerline of section 12.

10.005 Point for the center N - N 1/64 section corner of section 12.

Set a stainless steel post, 30 inches long, 2 1/2 inches diameter, 22 inches in the ground, in a mound of stone, with brass cap marked:

C-N-N
1/64
S12
2004

THE SUBDIVISION OF SECTION 12,
TOWNSHIP 44 SOUTH, RANGE 1 EAST, SALT LAKE MERIDIAN

CHAINS

Deposited a magnet enclosed in a plastic case at the base of the stainless steel post.

- 11.402** Intersect the line between Angle Points 10 and 11 of the Paria Canyon - Vermilion Cliffs Wilderness boundary, hereinafter described.
- 20.010** Point for the center N 1/16 section corner of section 12; not monumented.
- 22.171** The 1/4 section corner of section 12 only, at intersection with the Utah - Arizona State Boundary Line, hereinbefore described.

From the point for the W 1/16 section corner of sections 1 and 12.

S. 0°00.7' W., on the N - S centerline of the NW 1/4 of section 12.

- 10.006** Point for the center N - NW 1/64 section corner of section 12.

Set a stainless steel post, 30 inches long, 2 1/2 inches diameter, 24 inches in the ground, in a mound of stone, with brass cap marked:

C-N-NW
1/64 S12
2004

Note: This point also functions as Angle Point No. 13 of the Paria Canyon - Vermilion Cliffs Wilderness boundary.

- 20.012** Point for the NW 1/16 section corner of section 12; not monumented.
- 22.236** The point for the W 1/16 section corner of section 12 only, at intersection with the Utah - Arizona State Boundary Line; not monumented.

From the point for the center N 1/16 section corner of section 12.

N. 89°57.4' W., on the E - W centerline of the NW 1/4 of section 12.

- 20.072** The point for the NW 1/16 section corner of section 12; not monumented.
- 40.144** The point for the center N 1/16 section corner of sections 11 and 12; not monumented.

THE SUBDIVISION OF SECTION 12,
TOWNSHIP 44 SOUTH, RANGE 1 EAST, SALT LAKE MERIDIAN

CHAINS

From the center N - N 1/64 section corner of section 12.

N. 89°57.2' W., on the E - W centerline of the NE 1/4 of the NW 1/4 of section 12.

- 3.817** Point for Angle Point 12 of the Paria Canyon - Vermilion Cliffs Wilderness boundary, hereinafter described.
- 20.056** The center N - NW 1/64 section corner of section 12, hereinbefore described.

Metes-and-Bounds Survey of the Paria Canyon -
Vermilion Cliffs Wilderness Boundary,
T. 44 S., R. 1 E., Salt Lake Meridian, Utah

From Angle Point 1 of the Paria Canyon - Vermilion Cliffs Wilderness boundary.

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

AP
 \ /
 UT S12 ———
 / \
 AZ
 2004

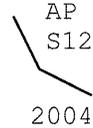
- N. 21°54.1' W.**, on line 1 - 2.
- 0.265** Point for Angle Point 2; not monumented.
-
- N. 47°33.4' W.**, on line 2 - 3.
- 0.336** Point for Angle Point 3; not monumented.
-
- N. 22°19.8' W.**, on line 3 - 4.
- 0.914** Point for Angle Point 4; not monumented.
-
- N. 69°02.7' W.**, on line 4 - 5.
- 1.560** Point for Angle Point 5; not monumented.
-
- N. 46°51.1' W.**, on line 5 - 6.
- 1.093** Point for Angle Point 6; not monumented.
-
- N. 36°47.1' W.**, on line 6 - 7.

METES-AND-BOUNDS SURVEY OF THE PARIA CANYON -
 VERMILION CLIFFS WILDERNESS BOUNDARY,
 TOWNSHIP 44 SOUTH, RANGE 1 EAST, SALT LAKE MERIDIAN, UTAH

CHAINS

2.810 Point for Angle Point 7.

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



Set a steel fence post 61 links west of the rebar.

N. 18°26.9' W., on line 7 - 8.

1.888 Point for Angle Point 8; not monumented.

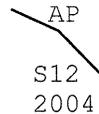
N. 31°42.2' W., on line 8 - 9.

2.387 Point for Angle Point 9; not monumented.

N. 26°31.1' W., on line 9 - 10.

2.150 Point for Angle Point 10.

Set a rebar, 3/4 inch diameter, 10 inches long, into a hole drilled 8 inches into solid sandstone, with an aluminum cap marked:



Set a steel fence post 61 links south of the rebar.

N. 68°43.5' W., on line 10 - 11.

0.342 Intersect the N - S centerline of section 12; not monumented.

1.647 Point for Angle Point 11; not monumented.

N. 70°24.8' W., on line 11 - 12.

2.762 Point for Angle Point 12, at intersection with the E - W centerline of the NE 1/4 of the NW 1/4 of section 12.

Set a rebar, 3/4 inch diameter, 8 inches long, into a hole drilled 7 inches into solid sandstone, with a 3 1/4 inch aluminum cap marked:

METES-AND-BOUNDS SURVEY OF THE PARIA CANYON -
 VERMILION CLIFFS WILDERNESS BOUNDARY,
 TOWNSHIP 44 SOUTH, RANGE 1 EAST, SALT LAKE MERIDIAN, UTAH

CHAINS

AP
 S12

 2004

Set a steel fence post 61 links south of the rebar.

N. 89°57.2' W., on line 12 - 13, indential with a portion of the
 E - W centerline of the NE 1/4 of the NW 1/4 of section 12.

16.239 The center N - NW 1/64 section corner of section 12, and Angle
 Point 13, hereinbefore described.

S. 63°06.7' W., on line 13 - 14.

7.309 Point for Angle Point 14.

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

AP

 S12
 2004

Raise a mound of stone, 4 feet base, 2 feet high, north of the
 rebar.

Corner is located in an area of rock ledges with 6 to 10 feet
 drop offs.

S. 54°40.0' W., on line 14 - 15.

7.652 Point for Angle Point 15.

Set a rebar, 3/4 inch diameter, 8 inches long, into a hole
 drilled 7 inches into solid sandstone, with an aluminum cap
 marked:

AP

 S12
 2004

Raise a mound of stone, 4 feet by 3 feet base by 2 feet high,
 north of the rebar.

Set a steel fence post alongside the rebar.

Corner is located in an area of rock ledges with 6 to 16 feet
 drop offs, on second ledge from the top.

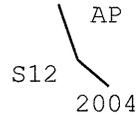
METES-AND-BOUNDS SURVEY OF THE PARIA CANYON -
VERMILION CLIFFS WILDERNESS BOUNDARY,
TOWNSHIP 44 SOUTH, RANGE 1 EAST, SALT LAKE MERIDIAN, UTAH

CHAINS

N. 50°03.0' W., on line 15 - 16.

1.470 Point for Angle Point 16.

Set a stainless steel post, 30 inches long, 2 1/2 inches diameter, 8 inches in the ground, to bedrock, in a mound of stone, 5 feet by 4 feet base, 14 inches high, with a brass cap marked:



Corner is located below the top of a ridge on the first shelf down.

N. 9°07.0' W., on line 16 - 17.

10.121 Point for Angle Point 17; not monumented.

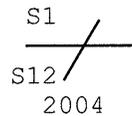
N. 20°48.0' E., on line 17 - 18.

3.242 Point for Angle Point 18; not monumented.

N. 34°05.0' E., on a portion of line 18 - 19.

4.563 Intersect the line between sections 1 and 12.

Set a stainless steel post, 30 inches long, 2 1/2 inches diameter, 22 inches in the ground, with a brass cap marked:



Deposited a magnet enclosed in a plastic case at the base of the stainless steel post.

Set a steel fence post alongside the stainless steel post.

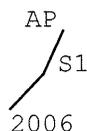
N. 34°05.0' E., on a portion of line 18-19, in section 1.

35.467 Point for Angle Point 19.

Set a stainless steel post, 30 inches long, 2 1/2 inches diameter, 14 inches in the ground to bedrock, in a mound of stone, 3 feet base to top of brass cap marked:

METES-AND-BOUNDS SURVEY OF THE PARIA CANYON -
 VERMILION CLIFFS WILDERNESS BOUNDARY,
 TOWNSHIP 44 SOUTH, RANGE 1 EAST, SALT LAKE MERIDIAN, UTAH

CHAINS



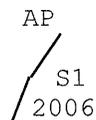
Set a steel fence post alongside the stainless steel post.

Corner is located on a gentle west-facing slope.

N. 25°35.0' E., on line 19 - 20.

8.636 Point for Angle Point 20.

Set a stainless steel post, 30 inches long, 2 1/2 inches diameter, 22 inches in the ground, with a brass cap marked:



Deposited a magnet enclosed in a plastic case at the base of the stainless steel post.

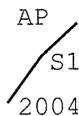
Set a steel fence post alongside the stainless steel post.

Corner is located on north rim of mesa, bears easterly and westerly.

N. 32°36.0' E., on line 20 - 21.

12.773 Point for Angle Point 21.

Set a steel rod, 5/8 inch diameter, 3 feet long, 30 inches in the ground, with a 3 1/4 inch aluminum cap marked:



Set a steel fence post alongside the steel rod.

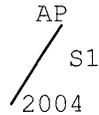
N. 43°53.0' E., on line 21 - 22.

Point for Angle Point 22.

8.227 Set a steel rod, 5/8 inch diameter, 3 feet long, 30 inches in the ground, with an aluminum cap marked:

METES-AND-BOUNDS SURVEY OF THE PARIA CANYON -
 VERMILION CLIFFS WILDERNESS BOUNDARY,
 TOWNSHIP 44 SOUTH, RANGE 1 EAST, SALT LAKE MERIDIAN, UTAH

CHAINS



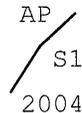
Set a steel fence post alongside the steel rod.

Corner is located on level sandy ground.

N. 38°01.0' E., on line 22 - 23.

8.803 Point for Angle Point 23.

Set a stainless steel post, 30 inches long, 2 1/2 inches, diameter, 8 inches in the ground, in a mound of stone, 4 feet base to top of brass cap marked:



Deposited a magnet enclosed in a plastic case at the base of the stainless steel post.

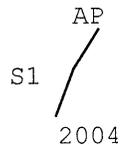
Set a steel fence post alongside the stainless steel post.

Corner is located 1.5 links east of a 30 inch diameter juniper, and 73 links east of the rim of Judd Hollow, bears N. 50° E. and S. 50° W.

N. 43°21.0' E., on line 23 - 24.

18.667 Point for Angle Point 24.

Set a stainless steel post, 30 inches long, 2 1/2 ins, diameter, 24 inches in the ground, with a brass cap marked:



Deposited a magnet enclosed in a plastic case at the base of the stainless steel post.

Set a steel fence post alongside the stainless steel post.

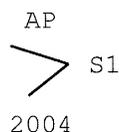
N. 48°59.0' E., on line 24 - 25.

METES-AND-BOUNDS SURVEY OF THE PARIA CANYON -
VERMILION CLIFFS WILDERNESS BOUNDARY,
TOWNSHIP 44 SOUTH, RANGE 1 EAST, SALT LAKE MERIDIAN, UTAH

CHAINS

1.848 Point for Angle Point 25, on the south right-of-way of a power line.

Set a stainless steel post, 30 inches long, 2 1/2 inches, diameter, 24 inches in the ground, with a brass cap marked:



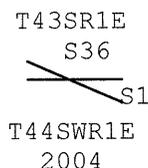
Deposited a magnet enclosed in a plastic case at the base of the stainless steel post.

Set a steel fence post alongside the stainless steel post.

N. 70°38.4' W., on a portion of line 25 - 26, on the south right-of-way of a power line.

13.453 Intersect the line between sections 1 and 36, on the north boundary of the township.

Set a stainless steel post, 30 inches long, 2 1/2 inches, diameter, 28 inches in the ground, with a brass cap marked:



Deposited a magnet enclosed in a plastic case at the base of the stainless steel post.

Set a steel fence post alongside the stainless steel post.

Corner is located on steep north-facing sandy slope.

Note: Begin Informative Traverse in section 36, T. 43 S., R. 1 E.

N. 70°38.4' W., on a portion of line 25-26, on the south right-of-way of a power line in section 36.

38.596 Point for Angle Point 26; not monumented.

S. 72°57.7' W., on line 26 - 27.

11.746 Point for Angle Point 27; not monumented.

METES-AND-BOUNDS SURVEY OF THE PARIA CANYON -
VERMILION CLIFFS WILDERNESS BOUNDARY,
TOWNSHIP 44 SOUTH, RANGE 1 EAST, SALT LAKE MERIDIAN, UTAH

CHAINS

S. 21°09.7' W., on line 27 - the corner of sections 1, 2, 35, and 36.

10.064 The corner of sections 1, 2, 35, and 36, on the north boundary of the township, hereinbefore described.

Note: End Informative Traverse.

S. 0°04.2' W., between sections 1 and 2.

39.997 The true point for the 1/4 section corner of sections 1 and 2.

Note: Begin Informative Traverse in section 2.

N. 89°58.1' W., on the E - W centerline of section 2.

79.957 The 1/4 section corner of sections 2 and 3.

Note: End informative Traverse.

S. 89°59.7' W., on the E - W centerline of section 3.

40.086 The center 1/4 section corner of section 3.

80.021 The 1/4 section corner of sections 3 and 4.

S. 0°16.9' W., between sections 3 and 4.

19.794 The witness point of sections 3 and 4.

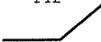
S. 0°07.7' W., beginning new measurement.

0.210 The S 1/16 section corner of sections 3 and 4, and Angle Point 28.

S. 47°39.7' W., on line 28 - 29, in section 4.

7.109 Point for Angle Point 29.

Set a stainless steel post, 30 inches long, 2 1/2 inches diameter, 24 inches in the ground, with brass cap marked:

AP

 S4
 2006

METES-AND-BOUNDS SURVEY OF THE PARIA CANYON -
 VERMILION CLIFFS WILDERNESS BOUNDARY,
 TOWNSHIP 44 SOUTH, RANGE 1 EAST, SALT LAKE MERIDIAN, UTAH

CHAINS

Deposited a magnet enclosed in a plastic case at the base of the stainless steel post.

Set a steel fence post alongside the stainless steel post.

Corner is located on level sandy ground in scattered juniper growth.

N. 81°18.8' W., on line 29 - 30.

5.406 Point for Angle Point 30.

Set a stainless steel post, 30 inches long, 2 1/2 inches diameter, 22 inches in the ground, with brass cap marked:

AP
 S4
 2006

Deposited a magnet enclosed in a plastic case at the base of the stainless steel post.

Set a steel fence post alongside the stainless steel post.

Corner is located on level sandy ground in scattered juniper growth.

N. 40°43.6' W., on line 30 - 31.

11.709 Point for Angle Point 31.

Set a stainless steel post, 30 inches long, 2 1/2 inches diameter, 26 inches in the ground, with brass cap marked:

AP
 S4
 2006

Deposited a magnet enclosed in a plastic case at the base of the stainless steel post.

Set a steel fence post alongside the stainless steel post.

Corner is located on gentle northwest slope in juniper growth.

N. 63°21.8' W., on line 31 - 32.

3.248 Point for Angle Point 32; not monumented.

N. 88°10.1' W., on line 32 - 33.

METES-AND-BOUNDS SURVEY OF THE PARIA CANYON -
VERMILION CLIFFS WILDERNESS BOUNDARY,
TOWNSHIP 44 SOUTH, RANGE 1 EAST, SALT LAKE MERIDIAN, UTAH

CHAINS

2.839 Point for Angle Point 33.

Set a stainless steel post, 30 inches long, 2 1/2 inches diameter, 28 inches in the ground, with brass cap marked:

AP
—
S4
2006

Deposited a magnet enclosed in a plastic case at the base of the stainless steel post.

Set a steel fence post alongside the stainless steel post.

Corner is located on rolling open sandy ground.

S. 81°15.7' W., on line 33 - 34.

16.316 Point at the intersection with the N - S centerline of section 4.

Set a stainless steel post, 30 inches long, 2 1/2 inches diameter, 28 inches in the ground, with brass cap marked:

C
—
S4
C
2006

Deposited a magnet enclosed in a plastic case at the base of the stainless steel post.

Set a steel fence post alongside the stainless steel post.

Corner is located on level sandy ground.

18.756 Point for Angle Point 34.

Set a stainless steel post, 30 inches long, 2 1/2 inches diameter, 28 inches in the ground, with brass cap marked:

AP
—
S4
2006

Deposited a magnet enclosed in a plastic case at the base of the stainless steel post.

Set a steel fence post alongside the stainless steel post.

Corner is located on a gentle south-facing slope.

METES-AND-BOUNDS SURVEY OF THE PARIA CANYON -
VERMILION CLIFFS WILDERNESS BOUNDARY,
TOWNSHIP 44 SOUTH, RANGE 1 EAST, SALT LAKE MERIDIAN, UTAH

CHAINS

N. 76°24.8' W., on line 34 - 35.

7.868 Point for Angle Point 35.

Set a stainless steel post, 30 inches long, 2 1/2 inches diameter, 28 inches in the ground, with brass cap marked:

AP

 S4
 2006

Deposited a magnet enclosed in a plastic case at the base of the stainless steel post.

Set a steel fence post alongside the stainless steel post.

Corner is located on a south-facing slope.

S. 86°02.7' W., on line 35 - 36.

9.226 Point for Angle Point 36.

Set a stainless steel post, 30 inches long, 2 1/2 inches diameter, 28 inches in the ground, with brass cap marked:

AP

 S4
 2006

Deposited a magnet enclosed in a plastic case at the base of the stainless steel post.

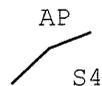
Set a steel fence post alongside the stainless steel post.

Corner is located on a moderate south-facing slope.

S. 61°33.6' W., on line 36 - 37.

4.776 Point for Angle Point 37.

Set a rebar, 3/4 inch diameter, 8 inches long, into a hole drilled 6 inches into solid sandstone, with an aluminum cap marked:

AP

 S4
 2006

Set a steel fence post alongside the rebar.

METES-AND-BOUNDS SURVEY OF THE PARIA CANYON -
VERMILION CLIFFS WILDERNESS BOUNDARY,
TOWNSHIP 44 SOUTH, RANGE 1 EAST, SALT LAKE MERIDIAN, UTAH

CHAINS

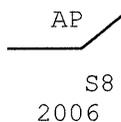
S. 36°15.1' W., on line 37 - the corner of sections 4, 5, 8, and 9.

27.879 The corner of sections 4, 5, 8, and 9, hereinbefore described.

S. 68°39.6' W., beginning new measurement in section 8.

9.414 Point for Angle Point 38.

Set a stainless steel post, 30 inches long, 2 1/2 inches diameter, 28 inches in the ground, with brass cap marked:

AP

 S8
 2006

Deposited a magnet enclosed in a plastic case at the base of the stainless steel post.

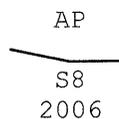
Set a steel fence post alongside the stainless steel post.

Corner is located on level open ground.

S. 87°24.3' W., on line 38 - 39.

13.436 Point for Angle Point 39.

Set a stainless steel post, 30 inches long, 2 1/2 inches diameter, 24 inches in the ground, with brass cap marked:

AP

 S8
 2006

Deposited a magnet enclosed in a plastic case at the base of the stainless steel post.

Set a steel fence post alongside the stainless steel post.

Corner is located on a gentle south-facing slope.

N. 83°16.1' W., on line 39 - 40.

11.092 Point for Angle Point 40.

Set a stainless steel post, 30 inches long, 2 1/2 inches diameter, 28 inches in the ground, with brass cap marked:

METES-AND-BOUNDS SURVEY OF THE PARIA CANYON -
 VERMILION CLIFFS WILDERNESS BOUNDARY,
 TOWNSHIP 44 SOUTH, RANGE 1 EAST, SALT LAKE MERIDIAN, UTAH

CHAINS

AP

 S8
 2006

Deposited a magnet enclosed in a plastic case at the base of the stainless steel post.

Set a steel fence post alongside the stainless steel post.

Corner is located on level open ground in juniper growth.

S. 61°46.8' W., on line 40 - 41.

5.762 Point for Angle Point 41.

Set a stainless steel post, 30 inches long, 2 1/2 inches diameter, 28 inches in the ground, with brass cap marked:

AP

 S8
 2006

Deposited a magnet enclosed in a plastic case at the base of the stainless steel post.

Set a steel fence post alongside the stainless steel post.

Corner is located on rolling sand dunes in scattered juniper growth.

S. 46°05.0' W., on a portion of line 41 - 42.

2.246 Point at the intersection with the N - S centerline of section 8.

Set a stainless steel post, 30 inches long, 2 1/2 inches diameter, 26 inches in the ground, with brass cap marked:

S8
 C

 C
 2006

Deposited a magnet enclosed in a plastic case at the base of the stainless steel post.

Set a steel fence post alongside the stainless steel post.

Corner is located on a gentle north-facing slope.

METES-AND-BOUNDS SURVEY OF THE PARIA CANYON -
VERMILION CLIFFS WILDERNESS BOUNDARY,
TOWNSHIP 44 SOUTH, RANGE 1 EAST, SALT LAKE MERIDIAN, UTAH

CHAINS

Note: Begin Informative Traverse in section 8.

S. $46^{\circ}05.0'$ W., on a portion of line 41-42, in section 8.

2.825 Point for Angle Point 42; not monumented.

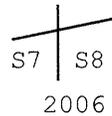
S. $89^{\circ}12.8'$ W., on line 42 - 43.

6.634 Point for Angle Point 43; not monumented.

S. $78^{\circ}30.5'$ W., on a portion of line 43 - 44.

32.018 Intersect the line between sections 7 and 8.

Set a stainless steel post, 30 inches long, 2 1/2 inches diameter, 28 inches in the ground, with brass cap marked:



Deposited a magnet enclosed in a plastic case at the base of the stainless steel post.

Set a steel fence post alongside the stainless steel post.

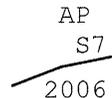
Corner is located among rolling sand dunes.

Note: End Informative Traverse.

S. $78^{\circ}30.5'$ W., on a portion of line 43-44, in section 7.

4.191 Point for Angle Point 44.

Set a stainless steel post, 30 inches long, 2 1/2 inches diameter, 28 inches in the ground, with brass cap marked:



Deposited a magnet enclosed in a plastic case at the base of the stainless steel post.

Set a steel fence post alongside the stainless steel post.

Corner is located on rolling sand dunes.

S. $54^{\circ}10.6'$ W., on line 44 - 45.

METES-AND-BOUNDS SURVEY OF THE PARIA CANYON -
VERMILION CLIFFS WILDERNESS BOUNDARY,
TOWNSHIP 44 SOUTH, RANGE 1 EAST, SALT LAKE MERIDIAN, UTAH

CHAINS

4.087 Point for Angle Point 45.

Set a stainless steel post, 30 inches long, 2 1/2 inches diameter, 28 inches in the ground, with brass cap marked:

AP
S7
2006

Deposited a magnet enclosed in a plastic case at the base of the stainless steel post.

Set a steel fence post alongside the stainless steel post.

Corner is located on a gentle south-facing slope in open juniper.

S. 44°29.1' W., on line 45 - 46.

5.770 Point for Angle Point 46, at intersection with the Utah - Arizona State Boundary Line.

Set a stainless steel post, 30 inches long, 2 1/2 inches diameter, 15 inches in the ground, in a mound of stone, 3 feet base, with brass cap marked:

AP
UT / S7
AZ
2006

Deposited a magnet enclosed in a plastic case at the base of the stainless steel post.

Set a steel fence post alongside the stainless steel post.

Corner is located on a moderate south-facing slope.

S. 89°45.0' W., along the Utah - Arizona State Boundary Line.

11.545 Mile Post 122, hereinbefore described.

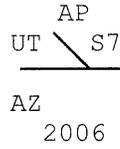
S. 89° 48.9' W., along the Utah - Arizona State Boundary Line.

2.637 Point for Angle Point 47, at intersection with the Utah - Arizona State Boundary Line.

Set a stainless steel post, 30 inches long, 2 1/2 inches diameter, 28 inches in the ground, with brass cap marked:

METES-AND-BOUNDS SURVEY OF THE PARIA CANYON -
 VERMILION CLIFFS WILDERNESS BOUNDARY,
 TOWNSHIP 44 SOUTH, RANGE 1 EAST, SALT LAKE MERIDIAN, UTAH

CHAINS



Deposited a magnet enclosed in a plastic case at the base of the stainless steel post.

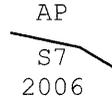
Set a steel fence post alongside the stainless steel post.

Corner is located on level sandy ground.

N. 52°07.9' W., on line 47 - 48.

15.199 Point for Angle Point 48.

Set a stainless steel post, 30 inches long, 2 1/2 inches diameter, 28 inches in the ground, with brass cap marked:



Deposited a magnet enclosed in a plastic case at the base of the stainless steel post.

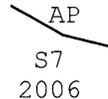
Set a steel fence post alongside the stainless steel post.

Corner is located on level sandy ground.

N. 64°28.2' W., on line 48 - 49.

10.093 Point for Angle Point 49.

Set a stainless steel post, 30 inches long, 2 1/2 inches diameter, 28 inches in the ground, with brass cap marked:



Deposited a magnet enclosed in a plastic case at the base of the stainless steel post.

Set a steel fence post alongside the stainless steel post.

Corner is located on level sandy ground.

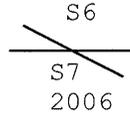
N. 56°09.1' W., on a portion of line 49 - 50.

METES-AND-BOUNDS SURVEY OF THE PARIA CANYON -
VERMILION CLIFFS WILDERNESS BOUNDARY,
TOWNSHIP 44 SOUTH, RANGE 1 EAST, SALT LAKE MERIDIAN, UTAH

CHAINS

16.486 Intersect the line between sections 6 and 7.

Set a stainless steel post, 30 inches long, 2 1/2 inches diameter, 28 inches in the ground, with brass cap marked:



Deposited a magnet enclosed in a plastic case at the base of the stainless steel post.

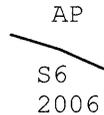
Set a steel fence post alongside the stainless steel post.

Corner is located on rolling sand dunes.

N. 56°09.1' W., on a portion of line 49 - 50, in section 6.

1.219 Point for Angle Point 50.

Set a stainless steel post, 30 inches long, 2 1/2 inches diameter, 28 inches in the ground, with brass cap marked:



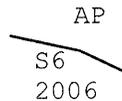
Deposited a magnet enclosed in a plastic case at the base of the stainless steel post.

Set a steel fence post alongside the stainless steel post.

Corner is located on rolling sand dunes.

N. 66°06.2' W., on line 50 - 51.

13.323 Set a stainless steel post, 30 inches long, 2 1/2 inches diameter, 28 inches in the ground, with brass cap marked:



Deposited a magnet enclosed in a plastic case at the base of the stainless steel post.

Set a steel fence post alongside the stainless steel post.

Corner is located on a southeast-facing sandy slope.

METES-AND-BOUNDS SURVEY OF THE PARIA CANYON -
VERMILION CLIFFS WILDERNESS BOUNDARY,
TOWNSHIP 44 SOUTH, RANGE 1 EAST, SALT LAKE MERIDIAN, UTAH

CHAINS

N. 77°37.9' W., on line 51 - 52.

9.300 Intersect the line between sections 1 and 12 only, T. 44 S., R. 1 W., hereinbefore described.

Note: This point also functions as Angle Point No. 52 of the Paria Canyon - Vermilion Cliffs Wilderness boundary.

N. 71°07.0' W., beginning on line 52 - 53, in section 1, T. 44 S., R. 1 W.

14.804 Point for Angle Point 53.

Set a stainless steel post, 30 inches long, 2 1/2 inches diameter, 28 inches in the ground, with brass cap marked:

AP
S1
2006

Deposited a magnet enclosed in a plastic case at the base of the stainless steel post.

Set a steel fence post alongside the stainless steel post.

Corner is located on level sandy ground.

N. 45°49.0' W., on line 53 - 54.

4.485 Point for Angle Point 54.

Set an aluminum drive rod, 5/8 inch diameter, 30 inches long, into a hole drilled 12 inches into solid sandstone, with a mound of stone, 2 feet diameter base to top of aluminum cap marked:

AP
S1
2006

Set a steel fence post alongside the aluminum rod.

Corner is located on a moderate west-facing slope.

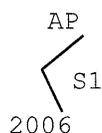
N. 13°02.0' W., on line 54 - 55.

4.167 Point for Angle Point 55.

Set a stainless steel post, 30 inches long, 2 1/2 inches diameter, 26 inches in the ground, with brass cap marked:

METES-AND-BOUNDS SURVEY OF THE PARIA CANYON -
 VERMILION CLIFFS WILDERNESS BOUNDARY,
 TOWNSHIP 44 SOUTH, RANGE 1 EAST, SALT LAKE MERIDIAN, UTAH

CHAINS



Deposited a magnet enclosed in a plastic case at the base of the stainless steel post.

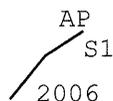
Set a steel fence post alongside the stainless steel post.

Corner is located on a moderate northwest-facing slope.

N. 31°59.0' E., on line 55 - 56.

7.606 Point for Angle Point 56.

Set a stainless steel post, 30 inches long, 2 1/2 inches diameter, 26 inches in the ground, with brass cap marked:



Deposited a magnet enclosed in a plastic case at the base of the stainless steel post.

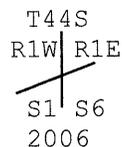
Set a steel fence post alongside the stainless steel post.

Corner is located on rolling sandy ground.

N. 55°55.0' E., on a portion of line 56 - 57.

17.116 Intersect the line between sections 1 and 6, T. 44 S., R. 1 W.

Set a stainless steel post, 30 inches long, 2 1/2 inches diameter, 28 inches in the ground, with brass cap marked:



Deposited a magnet enclosed in a plastic case at the base of the stainless steel post.

Set a steel fence post alongside the stainless steel post.

Corner is located on level sandy ground.

N. 55°55.0' E., on a portion of line 56 - 57, in section 6.

METES-AND-BOUNDS SURVEY OF THE PARIA CANYON -
VERMILION CLIFFS WILDERNESS BOUNDARY,
TOWNSHIP 44 SOUTH, RANGE 1 EAST, SALT LAKE MERIDIAN, UTAH

CHAINS

1.323 Point for Angle Point 57.

Set a stainless steel post, 30 inches long, 2 1/2 inches diameter, 28 inches in the ground, with brass cap marked:

AP
/ S1
2006

Deposited a magnet enclosed in a plastic case at the base of the stainless steel post.

Set a steel fence post alongside the stainless steel post.

Corner is located on a moderate north-facing slope.

N. 72°16.0' E., on line 57 - 58.

10.700 Intersect the E - W centerline of section 6.

Set a stainless steel post, 30 inches long, 2 1/2 inches diameter, 28 inches in the ground, with brass cap marked:

C / C
S6
2006

Deposited a magnet enclosed in a plastic case at the base of the stainless steel post.

Set a steel fence post alongside the stainless steel post.

Corner is located on rolling sand dunes.

18.803 Point for Angle Point 58.

Set a stainless steel post, 30 inches long, 2 1/2 inches diameter, 28 inches in the ground, with brass cap marked:

AP
/ S6
2006

Deposited a magnet enclosed in a plastic case at the base of the stainless steel post.

Set a steel fence post alongside the stainless steel post.

Corner is located on rolling sand dunes.

N. 68°54.0' E., on line 58 - 59.

METES-AND-BOUNDS SURVEY OF THE PARIA CANYON -
VERMILION CLIFFS WILDERNESS BOUNDARY,
TOWNSHIP 44 SOUTH, RANGE 1 EAST, SALT LAKE MERIDIAN, UTAH

CHAINS

13.803 Point for Angle Point 59

Set a stainless steel post, 30 inches long, 2 1/2 inches diameter, 28 inches in the ground, with brass cap marked:



Deposited a magnet enclosed in a plastic case at the base of the stainless steel post.

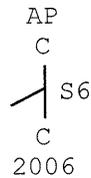
Set a steel fence post alongside the stainless steel post.

Corner is located on level sandy ground.

N. 58°02.0' E., on line 59 - 60.

12.790 Point for Angle Point 60, at intersection with the N - S centerline of section 6.

Set a stainless steel post, 30 inches long, 2 1/2 inches diameter, 28 inches in the ground, with brass cap marked:



Deposited a magnet enclosed in a plastic case at the base of the stainless steel post.

Set a steel fence post alongside the stainless steel post.

Corner is located on rolling sand dunes.

N. 0°03.6' E., on the N - S centerline of section 6.

25.831 The 1/4 section corner of sections 6 and 31, on the north boundary of the township.

N. 89°58.7' W., between sections 6 and 31, on the north boundary of the township.

42.735 The true point for the closing corner of sections 6 and 31, hereinbefore described.

METES AND BOUNDS SURVEY OF THE PARIA CANYON -
VERMILION CLIFFS WILDERNESS BOUNDARY AREA,
TOWNSHIP 44 SOUTH, RANGE 1 EAST, SALT LAKE MERIDIAN, UTAH

CHAINS

N. 0° 00.7' E., on the east boundary of Section 1, T. 44 S., R. 1 W.

7.547 The witness corner for the corner of sections 1 and 36 only, T. 43 and 44 S., R. 1 W., hereinbefore described.

8.047 The corner of sections 1 and 36, T. 43 and 44 S., R. 1 W., hereinbefore described.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

Name	Capacity
Larry Judd	Cadastral Surveyor
Scott Bishop	Cadastral Surveyor
Dale Graff	Cadastral Surveyor
Quade Johnson	Survey Technician

CERTIFICATE OF SURVEY

I, *Jeremy D. Davis*, Cadastral Surveyor, under the supervision of *Ronald K. Baugh*, Supervisory Cadastral Surveyor, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing the date *20th day of July, 2004*, I have *dependently resurveyed a portion of the Utah - Arizona State boundary line from Mile Post 121 to Mile Post 123, and Mile Post 126 to Mile Post 127, a portion of the west boundary (Salt Lake Meridian), a portion of the north boundary, a portion of the subdivisional lines, and the subdivision of sections 3, 4, 6, 8, and 12, the metes-and-bounds survey of the Paria Canyon - Vermilion Cliffs Wilderness boundary, the informative traverse through sections 2 and 8, in Township 44 South, Range 1 East, and the metes-and-bounds survey of the Paria Canyon - Vermilion Cliffs Wilderness boundary through section 1, Township 44 South, Range 1 West, and the informative traverse through section 36, Township 43 South, Range 1 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.

May 04, 2011

Date

Ronald K. Baugh

Supervisory Cadastral Surveyor

April 28, 2011

Date

Jeremy D. Davis

Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT
Salt lake City, Utah

The foregoing field notes of the *dependent resurvey of the Utah - Arizona State boundary line for Mile Post 121 to Mile Post 123 and Mile Post 126 to Mile Post 127, the dependent resurvey of a portion of the west boundary (Salt Lake Meridian), a portion of the north boundary, a portion of the subdivisional lines, and the subdivision of sections 3, 4, 6, 8, and 12, the metes-and-bounds survey of Paria Canyon - Vermilion Cliffs Wilderness boundary, the informative traverse through sections 2 and 8, in Township 44 South, Range 1 East, and the metes-and-bounds survey of the Paria Canyon - Vermilion Cliffs Wilderness boundary through section 1, Township 44 South, Range 1 West, and the informative traverse through section 36, Township 43 South, Range 1 East, Salt Lake Meridian, Utah*, executed by *Jeremy D. Davis, Cadastral Surveyor, under the supervision of Ronald K. Baugh, Supervisory Cadastral Surveyor* having been critically examined and found correct, are hereby approved.

June 29, 2012

Date

Daniel W. Webb

Chief Cadastral Surveyor for Utah