

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,
AND MINERAL SURVEY NO. 3002

IN

TOWNSHIP 31 SOUTH, RANGE 10 EAST,

OF THE SALT LAKE MERIDIAN
IN THE STATE OF UTAH

EXECUTED BY

Jacob R. Murdoch
Cadastral Surveyor

Under Special Instructions dated **August 11, 2014**, approved **August 11, 2014**, which provided for the surveys included under Group Number **1270**, and assignment instructions dated **August 11, 2014**.

Survey Commenced, **August 13, 2014**
Survey Completed, **August 6, 2015**

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TOWNSHIP 31 SOUTH, RANGE 10 EAST, SALT LAKE MERIDIAN, UTAH

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TOWNSHIP 31 SOUTH, RANGE 10 EAST, SALT LAKE MERIDIAN, UTAH

The following field notes are those of the dependent resurvey of a portion of the south boundary, a portion of the subdivisional lines, and mineral survey no. 3002, in T. 31 S., R. 10 E., Salt Lake Meridian, Utah.

HISTORY OF SURVEYS

	Surveyed by		Retr. or Resurveyed by
NORTH BOUNDARY (Sixth Standard Parallel South)			
Portion	J.R. Stewart	1911	
All	E. Bird	1919	E. Bird 1919
SOUTH BOUNDARY			
All	E. Bird & E.L. Smith	1922	
EAST BOUNDARY			
All	E. Bird & E.L. Smith	1922	
WEST BOUNDARY			
All	Q. Stewart	1911	
SUBDIVISION			
All	E. Bird & E.L. Smith	1922	
Portion			J.L. Thomas 1987
MINERAL SURVEYS			
M.S. No. 3002	Frank L. Biddlecom	1894	

TOWNSHIP 31 SOUTH, RANGE 10 EAST, SALT LAKE MERIDIAN, UTAH

The survey was executed in accordance with the specifications set forth in the Manual of Surveying Instructions, 2009, and the Special Instructions for Group No. 1270, dated August 11, 2014.

The direction of each line is with reference to the true meridian, determined by Global Positioning System (GPS) utilizing Real-Time Kinematic (RTK) techniques throughout the survey. The positional accuracy of this survey complies with the *Standards for the Positional Accuracy of Cadastral Surveys when using Global Navigation Satellite Systems (GNSS)*, dated February 23, 2009. Trimble model R8 GPS receivers were used for field collection. Cadastral Automated Plat Drafting (CAPD) 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); MESA CNTY 04 COOP CORS ARP, MONTICELLOUT2006 CORS ARP, MARYSVALE_UT2006 CORS ARP.

The geographic position of the corner of sections 1, 2, 35, and 36, Tps. 31 & 32 S., R. 10 E., as determined by direct RTK methods from the geodetic control, is as follows:

Latitude: **38°03'34.516" N.**,
Longitude: **110°46'02.882" W.**, N.A.D. 83 (2011), EPOCH: 2010.00,
Network Accuracy = 0.200 meter at 95% confidence

The geographic position of the corner of sections 27, 28, 33, and 34, T. 31 S., R. 10 E., as determined by direct RTK methods from the geodetic control, is as follows:

Latitude: **38°04'26.777" N.**,
Longitude: **110°48'15.095" W.**, N.A.D. 83 (2011), EPOCH: 2010.00,
Network Accuracy = 0.200 meter at 95% confidence

DEPENDENT RESURVEY OF A PORTION OF THE SOUTH BOUNDARY,
T. 31 S., R. 10 E., SALT LAKE MERIDIAN, UTAH

CHAINS

Dependent Resurvey of a Portion of the South Boundary
T. 31 S, R. 10 E., Salt Lake Meridian, Utah

Reestablishment of the Survey
Executed by E. Bird & E.L. Smith in 1922

Beginning at the corner of sections 1, 2, 35, and 36, Townships 31 and 32 South, Range 10 East, monumented with an iron post, 2 inches diameter, firmly set, leaning southeasterly, projecting 16 inches above the ground, with brass cap marked as described in the official record of the 1922 survey, with an old wooden post lying loosely alongside the iron post.

At the corner point

Reset the iron post, 20 inches in the ground, to bedrock, and in a mound of stone, 4 ft. base and 2 ft. high.

From which the remaining 1922 bearing trees

A piñon, 20 inches diameter, dead and down, bears N.72°30'E., 200 links distance, marked T31S R10E S36 BT on an open blaze.

A piñon, 23 inches diameter, bears S.78°19'W., 140 links distance, with partial marks visible on a mostly healed blaze. (Record: S.79°W.)

A piñon, 30 inches diameter, bears N.63°42'W., 105 1/2 links distance, with partial marks visible on a mostly healed blaze. (Record: N.64°W., 110 links distance)

From this corner the 1/4 section corner of sections 1 and 2, T. 32 S., R. 10 E., monumented with an iron post, 1 inch diameter, firmly set, projecting 5 inches above a mound of stone, 4 ft. base and 2 ft. high, with brass cap, bears S.0°04.9'W., 40.150 chains distance, cap marked as described in the official record of the 1930 survey executed by H.W. Miller and E. Bird.

Corner is located on a southeast slope, in heavy timber and undergrowth.

N.89°56.9'W., between sections 2 and 35.

39.989 The 1/4 section corner of sections 2 and 35, monumented with an iron post, 1 inch diameter, firmly set, projecting 19 inches above an embedded mound of stone, bent at a downhill angle from apparent rock slides and falling boulders, with brass cap marked as described in the official record of the 1922 survey.

At the corner point

DEPENDENT RESURVEY OF A PORTION OF THE SOUTH BOUNDARY,
T. 31 S., R. 10 E., SALT LAKE MERIDIAN, UTAH

CHAINS

Reset the iron post, 27 inches in the ground, and raise a mound of stone, 3 ft. base and 2 ft. high, along east side of the iron post.

Corner is located on a steep southeasterly slope, in scattered pine, with oak and sage brush undergrowth.

N. 89° 58.6' W., beginning new measurement.

- 40.060 The corner of sections 2, 3, 34, and 35, monumented with an X on a smooth granite stone, 3 inches below a scattered mound of stone, with an iron post, 2 inches diameter, lying loosely alongside, with brass cap marked as described in the 1922 survey.

At the corner point

Reset the iron post, 3 inches in the ground, and in a mound of stone, 3 ft. base and 20 inches high.

Corner is located on a steep easterly slope, in loose and rocky terrain.

N. 89° 59.3' W., between sections 3 and 34.

- 40.070 The 1/4 section corner of sections 3 and 34, monumented with an iron post, 1 inch diameter, firmly set, projecting 24 inches above ground, with brass cap marked as described in the official record of the 1922 survey, with a mound of stone, 3 ft. base, slid downhill from the iron post.

Move loose soil and rock from above the iron post, down and around, so iron post projects 1 ft. above ground, and raise a mound of stone, 3 ft. base and 1 ft. high, along northeast side of the iron post.

Corner is located on a steep, loose, southwesterly slope, in low scattered sage brush and grasses.

N. 89° 56.9' W., beginning new measurement.

- 40.033 The corner of sections 3, 4, 33, and 34, monumented with an iron post, 2 inches diameter, firmly set, projecting 14 inches above ground, with a small and an embedded mound of stone along the north side, with brass cap marked as described in the official record of the 1922 survey.

From which the 1922 bearing trees

A red pine, 16 inches diameter, bears S.9°E., 52 links distance, with partial marks visible through a mostly healed blaze.

A red pine, 24 inches diameter, bears S.34°W., 32 links

DEPENDENT RESURVEY OF A PORTION OF THE SOUTH BOUNDARY,
T. 31 S., R. 10 E., SALT LAKE MERIDIAN, UTAH

CHAINS

distance, with a healed blaze.

A dead pine stump, 25 inches diameter, 3 ft. high, marked BT on the remaining blaze, with felled portion of the pine lying downhill, marked T31S R10 on the remaining blaze, not re-measured during this resurvey.

Raise a mound of stone, 2 ft. base and 1 ft. high, around the iron post.

A rebar inserted into a PVC pipe, 4 ft. long and 1 1/2 inches diameter, lying loose alongside the iron post, and a squared wooden post, 4X4 inches, 3 ft. long, lying loosely downhill; incorporate both in the mound of stone.

Corner is located on a steep north slope, at edge of pine stand, bears northwest and southeast.

Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 31 S, R. 10 E., Salt Lake Meridian, Utah

Reestablishment of the Survey
Executed by E. Bird & E.L. Smith in 1922

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

N.0°02.7'E., between sections 35 and 36.

- 39.916** The 1/4 section corner of sections 35 and 36, monumented with an iron post, 1 inch diameter, firmly set, projecting 20 inches above ground, and in an embedded and scattered mound of stone, 3 ft. base, with brass cap marked as described in the official record of the 1922 resurvey.

Rehabilitate mound of stone to be 3 ft. base and 16 inches high.

Corner is located on a steep southerly slope, in oak and rabbit brush, with scattered piñon and juniper.

N.0°06.4'E., beginning new measurement.

- 40.017** The corner of sections 25, 26, 35, and 36, monumented with an iron post, 2 inches diameter, firmly set in a granite rock slide, projecting 20 inches above a mound of stone, 4 ft. base and 2 ft. high, with brass cap marked as described in the official record of the 1922 survey.

From which the remaining 1922 bearing trees

An aspen, 19 inches diameter, bears N.22°E., 141 links distance, with visible but indiscernible marks on an open

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,
T. 31 S., R. 10 E., SALT LAKE MERIDIAN, UTAH

CHAINS

blaze (Note: aspen was blazed, marks were not scribed into the bark). (Record: 138 links distance)

A red pine, 26 inches diameter, bears S.32°W., 89 links distance, with a healed blaze, and a yellow BLM bearing tree tag attached, dated 6-14-62.

Rehabilitate mound of stone to be 4 ft. base and 2 ft. high.

Corner is located on a steep northerly slope, in granite slide, bears north and south, approximately 30 ft. wide.

From the corner of sections 2, 3, 34, and 35, on the south boundary of the township, hereinbefore described.

N.0°04.8'W., between sections 34 and 35.

34.731 Intersect line 21-22, M.S. No. 3002, Triune Placer, hereinafter described.

Continue measurement on a blank line.

40.024 Point for the 1/4 section corner of sections 34 and 35, at proportionate distance; there is no remaining evidence of the original corner position. Point falls in disturbed area of active mining operation, not suitable for permanent monumentation.

From this point, the point selected for an off line witness corner of the 1/4 section corner of sections 34 and 35, bears N.1°15.6'W., 1.024 chains distance.

Set an aluminum post, 2 1/2 inches diameter, 30 inches long, 25 inches in the ground, with a mound of stone along the south side, 3 ft. base, to bottom of aluminum cap marked

WC
T31S R10E
1/4
S34|S35
2015 ↓

Bury a magnet enclosed in a plastic case at the base.

Witness corner is located on a steep southeast slope, in timber growth between haul roads.

From this same point, U.S. Mineral Monument No. 1, of the White Canyon Mining District, bears N.85°32.8'W., 30.461 chains distance; determined by deteriorated remains of the old pine post found in a soft spot, 10 inches diameter, in the center of a scattered and embedded mound of stone, 6 ft. base and 1 ft. high.

At the corner point

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 27 inches in the ground, with aluminum cap marked

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,
 T. 31 S., R. 10 E., SALT LAKE MERIDIAN, UTAH
 CHAINS

T31S R10E
 U.S.M.M. No.1
 2015

Bury a magnet enclosed in a plastic case at the base.

U.S. Mineral Monument No. 1 is located on top of a spur, bears and slopes southeasterly.

- 44.634** Intersect line 23-24, M.S. No. 3002, Triune Placer, hereinafter described.

Continue measurement between sections 34 and 35.

- 80.048** The corner of sections 26, 27, 34, and 35, monumented with an iron post, 2 inches diameter, lying on the ground, knocked over by a fallen large pine. The base of the iron post was firmly set in the remains of an embedded mound of stone, with brass cap marked as described in the official record of the 1922 survey.

At the corner point

Reset the iron post, 20 inches in the ground, and in a mound of stone, 3 ft. base and 14 inches high.

Deposit three coins, quarters, wrapped together in pink flagging, at the base of the iron post as a memorial.

Corner is located on a steep north slope, in dense pine trees.

From the corner of sections 25, 26, 35, and 36.

N.89°42.3'W., between sections 26 and 35.

- 40.033** The 1/4 section corner of sections 26 and 35, determined at record bearing and distance from the remaining 1922 bearing tree.

A red pine, 16 inches diameter, bears N.78°30'E., 70 links distance, with a healed blaze (Note: cut into a portion of the healed blaze to expose marks, in confirmation).

Found the iron post, 1 inch diameter, not in its original position, lying loosely, slightly below grade and approximately 40 links downhill from the corner position, with brass cap marked as described in the official record of the 1922 survey.

At the corner point

Reset the iron post, 18 inches in the ground, and in a mound of stone, 3 ft. base and 14 inches high.

No evidence was found of the SE bearing tree.

Corner is located on a steep southeasterly slope, in loose and rocky soil.

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,
T. 31 S., R. 10 E., SALT LAKE MERIDIAN, UTAH

CHAINS

S.89°56.4'W., beginning new measurement.

40.217 The corner of sections 26, 27, 34, and 35.

From the corner of sections 3, 4, 33, and 34, on the south boundary of the township, hereinbefore described.

N.0°07.5'W., between sections 33 and 34.

39.955 The 1/4 section corner of sections 33 and 34, determined by the 1922 bearing trees (distance-distance intersect).

A Lodgepole Pine, 17 inches diameter, bears N.75°31'E., 22 links distance, with a healed blaze (Note: cut into a portion of the healed blaze to expose marks, in confirmation). (Record: N.82°15'E.)

A red pine, 24 inches diameter, bears N.58°21'W., 250 links distance, with a healed blaze. (Record: N.61°W.)

Found the iron post, 1 inch diameter, in poor condition, clearly not in its original position, lying loosely, partially below grade, approximately 29 links downhill from the corner position, with brass cap marked as described in the official record of the 1922 survey.

At the corner point

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

T31S R10E
1/4
S33 | S34
2014

Bury a magnet enclosed in a plastic case at the base, and deposit the 1922 iron post alongside the aluminum post.

Corner is located on a steep and loose southwest slope, in grasses, sage, and scattered pine.

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

40.087 The corner of sections 27, 28, 33, and 34, monumented with an iron post, firmly set, projecting 10 inches above a mound of stone, 2 ft. base and 1 ft. high, with brass cap marked as described in the official record of the 1922 survey.

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,
T. 31 S., R. 10 E., SALT LAKE MERIDIAN, UTAH

CHAINS

From which the remaining 1922 bearing trees

A yellow pine, 42 inches diameter, bears N.84°E., 424 links distance, with a healed blaze. (Record: 435 links distance).

An Engelmann Spruce, 20 inches diameter, bears S.33°W., 75 links distance, with partially visible marks on a mostly healed blaze.

An Engelmann Spruce, 28 inches diameter, bears N.51°30'W., 380 links distance, with a healed blaze.

Corner is located near the southerly edge of a steep grassy drainage bottom, bears east and west, with dense down timber in the area.

From the corner of sections 26, 27, 34, and 35.

N.89°56.1'W., between sections 27 and 34.

- 40.106** The 1/4 section corner of sections 27 and 34, monumented with an iron post, 1 inch diameter, firmly set, projecting 11 inches horizontally out of a steep, loose, and rocky slope, with brass cap marked as described in the official record of the 1922 survey.

At the corner point

Reset the iron post, 24 inches in the ground, with a mound of stone, 2 ft. base and 1 ft. high, along the east side.

From which the 1922 bearing trees

A red pine, 13 inches diameter, bears S.25°02'E., 81 links distance, marked 1/4 S34 BT on an open blaze. (Record: S.17°30'E., 84 links distance)

A red pine, 16 inches diameter, bears N.28°39'W., 80 links distance, with partial marks visible on a mostly healed blaze. (Record: N.27°W.)

Deposit a white granite stone, 3X3X1 inches, with an X chiseled on face, and wrapped in pink flagging, at the base of the iron post as a memorial.

Corner is located on a steep northeasterly slope, in loose and rocky terrain.

S.89°59.3'W., beginning new measurement.

DEPENDENT RESURVEY OF BROMIDE LODGE, MINERAL SURVEY No. 3002,
IN T. 31 S., R. 10 E., SALT LAKE MERIDIAN, UTAH

CHAINS

40.014 The corner of sections 27, 28, 33, and 34.

Dependent Resurvey of Bromide Lode, Mineral Survey No. 3002
In T. 31 S, R. 10 E., Salt Lake Meridian, Utah

Reestablishment of the Survey
Executed by F.L. Biddlecom in 1894

From Corner No. 1, M.S. No. 3002, Bromide Lode, reestablished at record bearing and distance from U.S. Mineral Monument No. 1, hereinbefore described; there is no remaining evidence of the original corner.

At the corner point

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 25 inches in the ground, and in a mound of stone, 3 ft. diameter, to bottom of aluminum cap marked

T31S
R10E / MS 3002
S34 / BR. 1
2015

Bury a magnet enclosed in a plastic case at the base.

From this point U.S. Mineral Monument No. 1, bears N.43°30.0'E., 12.658 chains distance.

Corner is located on a northeast slope, in dense timber.

N.22°01.0'E., on line 1-2, M.S. No. 3002, Bromide Lode.

12.207 Intersect line 5-6, M.S. No. 3002, Cuprum Lode.

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 27 inches in the ground, and in a mound of stone, 3 ft. base, to bottom of aluminum cap marked

T31S
R10E / CU. MS 3002
S34 / BR.
2015

Bury a magnet enclosed in a plastic case at the base.

From this point a rebar, 5/8 inches diameter, firmly set, projecting 9 inches above ground, bears N.17°26.1'E., 28.7 links distance. The origin and purpose of this rebar was not determined, and was not utilized during this resurvey.

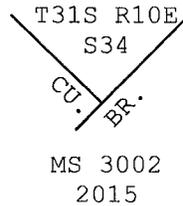
DEPENDENT RESURVEY OF BROMIDE LODE, MINERAL SURVEY No. 3002,
IN T. 31 S., R. 10 E., SALT LAKE MERIDIAN, UTAH

CHAINS

Corner is located 8 links northwest of a cut granite face, 9 ft. high, bears easterly and westerly, on disturbed ground, and on a south slope.

18.300 Intersect Line 7-8, M.S. No. 3002, Cuprum Lode.

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 23 inches in the ground, and in a mound of stone, 3 ft. base, to bottom of aluminum cap marked



Bury a magnet enclosed in a plastic case at the base.

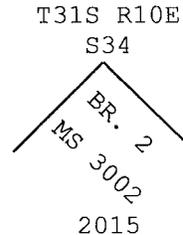
Corner is located on a steep east slope.

22.712 Corner No. 2, M.S. No. 3002, Bromide Lode, reestablished at record bearing and distance from the 1894 bearing tree.

A pine, 4 ft. diameter, dead and standing, bears S.74°20'E., 2.121 chains distance, marked 2/3002 BT on a partially healed blaze. (Record: 140 ft. distance)

At the corner point

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 25 inches in the ground, and in a mound of stone, 3 ft. base, to bottom of aluminum cap marked



Bury a magnet enclosed in a plastic case at the base.

From this point a pine post, 4 inches square and 4 ft. long, lying loosely above an embedded mound of stone, 4 ft. diameter, bears S.79°56.7'E., 2.590 chains distance, and was not utilized during this resurvey.

Corner is located on a steep and rocky south slope, at westerly edge of a granite slide.

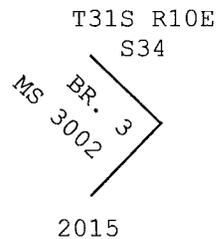
DEPENDENT RESURVEY OF BROMIDE LODGE, MINERAL SURVEY NO. 3002,
IN T. 31 S., R. 10 E., SALT LAKE MERIDIAN, UTAH
CHAINS

S.67°24.4'E., on line 2-3, M.S. No. 3002, Bromide Lode.

- 4.612** Corner No. 3, M.S. No. 3002, Bromide Lode, monumented with a mound of stone, scattered and embedded, 4 ft. base, with a 4 inches diameter soft spot in the center, and a decayed pine post, 4 inches square, 4 ft. long, laying loosely downhill from the mound of stone.

At the corner point

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 20 inches in the ground, and in a mound of stone, 3 ft. base, to bottom of aluminum cap marked



Bury a magnet enclosed in a plastic case at the base.

From which the 1894 bearing tree

A bifurcated pine, 17 inches diameter, dead and standing, bears S.39°32.1'E., 11 links distance, marked 3/3002 BT on a partially healed blaze. (Record: N.27°30'E., 10 ft. distance)

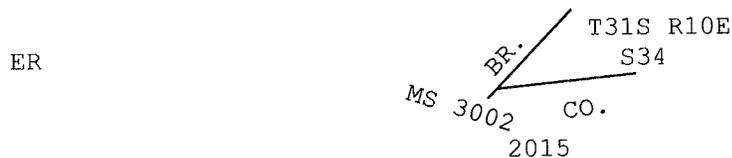
Place the pine post in mound of stone, along north side of the aluminum post.

Corner is located on steep, rocky south slope, in small aspen stand, near the top of a granite slide.

S.22°1.1'W., on line 3-4, M.S. No. 3002, Bromide Lode.

- 4.763** Intersect line 13-16, M.S. No. 3002, Coney Lode.

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 17 inches in the ground to solid granite, and in a mound of stone, 3 ft. base, to bottom of aluminum cap marked



Bury a magnet enclosed in a plastic case at the base.

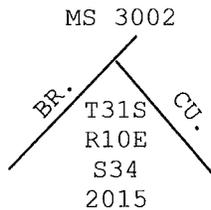
DEPENDENT RESURVEY OF BROMIDE LODGE, MINERAL SURVEY NO. 3002,
IN T. 31 S., R. 10 E., SALT LAKE MERIDIAN, UTAH

CHAINS

Corner is located on a steep east slope.

- 8.377 Intersect line 7-8, M.S. No. 3002, Cuprum Lode, not monumented.
8.582 Intersect line 15-16, M.S. No. 3002, Coney Lode, not monumented.
14.470 Intersect line 5-6, M.S. No. 3002, Cuprum Lode.

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 23 inches in the ground, and in a mound of stone, 3 ft. base, to bottom of aluminum cap marked



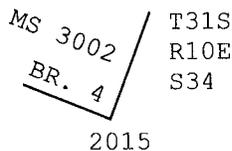
Bury a magnet enclosed in a plastic case at the base.

Corner is located on a steep and loose road cut, bears northwest and south.

- 22.712 Corner No. 4, M.S. No. 3002, Bromide Lode, reestablished by making line 3-4 parallel and equidistant to line 1-2; there is no remaining evidence of the original corner.

At the corner point

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 26 inches in the ground, and in a collar of stone, 2 ft. base, with aluminum cap marked



Bury a magnet enclosed in a plastic case at the base.

Corner is located on a steep northeast slope, with dense undergrowth and heavy deadfall.

N. 67° 24.4' W., on line 1-4, M.S. No. 3002, Bromide Lode.

- 4.612 Corner No. 1, M.S. No. 3002, Bromide Lode.

Dependent Resurvey of Cuprum Lode, Mineral Survey No. 3002
In T. 31 S, R. 10 E., Salt Lake Meridian, Utah

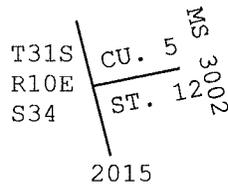
DEPENDENT RESURVEY OF CUPRUM LODGE, MINERAL SURVEY NO. 3002,
 IN T. 31 S., R. 10 E., SALT LAKE MERIDIAN, UTAH
 CHAINS

Reestablishment of the Survey
 Executed by F.L. Biddlecom in 1894

From Corner No. 5, M.S. No. 3002, Cuprum Lode, identical to
 Corner No. 12, Stevenite Lode, monumented with a decayed pine
 post, 4 inches square, firmly set in a mound of stone, 4 ft.
 base, 3 ft. high, marked 12-3002 on east face.

At the corner point

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 23
 inches in the ground, and in a mound of stone, 4 ft. base, to
 bottom of aluminum cap marked



Bury a magnet enclosed in a plastic case at the base.

From which the 1894 bearing trees

A spruce, 21 inches diameter, bears N.42°E., 17 1/2 links
 distance, with partial marks on a mostly healed blaze.
 (Record: 11 1/2 ft. distance)

A spruce, 16 inches diameter, bears S.11°30'E., 14 1/2 links
 distance, with the marks 300 BT visible on a mostly
 healed blaze. (Record: 10 1/2 ft. distance)

A decayed pine post, 4 inches square, 2 ft. long, marked 8-3002,
 lying loosely against the north side of the mound of stone. The
 purpose of this post was not determined, as a post marked the
 same was found at Corner No. 8, this same Survey and Lode.

Placed the marked posts in the mound of stone, along the north
 side of the corner.

Corner is located on a steep north slope, in dense timber.

N.26°57.8'W., on line 5-6, M.S. No. 3002, Cuprum Lode.

11.445 Intersect line 3-4, M.S. No. 3002, Bromide Lode.

17.557 Intersect line 1-2, M.S. No. 3002, Bromide Lode.

22.673 Corner No. 6, M.S. No. 3002, Cuprum Lode, monumented with a wood
 post, not of record, 5 inches diameter, with faint illegible
 marks on hewn north face, firmly set in a mound of stone, 4 ft.

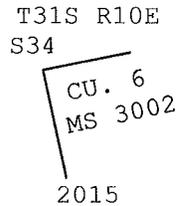
DEPENDENT RESURVEY OF CUPRUM LODGE, MINERAL SURVEY No. 3002,
IN T. 31 S., R. 10 E., SALT LAKE MERIDIAN, UTAH

CHAINS

base, with the original pine post, decayed, 4 inches diameter, lying loosely along the southwest side of the corner.

At the corner point

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 20 inches in the ground, and in a mound of stone, 4 ft. base, to bottom of aluminum cap marked



Bury a magnet enclosed in a plastic case at the base

Place both wood posts in the mound of stone, along the north side of the aluminum post.

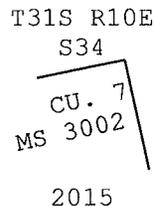
Corner is located on steep south slope, in dense grass and scattered sage brush.

N. 62°38.9'E., on line 6-7, M.S. No. 3002, Cuprum Lodge.

- 4.597** Corner No. 7, M.S. No. 3002, Cuprum Lodge, reestablished by making line 7-8 parallel and equidistant to line 5-6; the remains of the original pine post, 4 inches square, 3 ft. long, faintly marked 7/3002, were found, clearly disturbed and not in its original position, in a cut bank of a dead-end mine road.

At the corner point

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 18 inches into a granite slide, and in a mound of stone, 4 ft. base, to bottom of aluminum cap marked



Bury a magnet enclosed in a plastic case at the base

Deposit the marked pine post in the mound of stone, along the north side of the aluminum post.

Corner is located in a granite slide, on steep southeast slope.

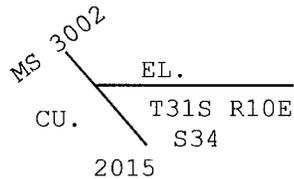
DEPENDENT RESURVEY OF CUPRUM LODE, MINERAL SURVEY No. 3002,
IN T. 31 S., R. 10 E., SALT LAKE MERIDIAN, UTAH

CHAINS

S.26°57.8'E., on line 7-8, M.S. No. 3002, Cuprum Lode.

- 1.148 Intersect line 1-2, M.S. No. 3002, Bromide Lode.
- 6.388 Intersect line 15-16, M.S. No. 3002, Coney Lode, not monumented.
- 7.260 Intersect line 3-4, M.S. No. 3002, Bromide Lode, not monumented.
- 21.442 Intersect line 19-20, M.S. No. 3002, El Padre Lode, not monumented.
- 21.672 Intersect line 14-15, M.S. No. 3002, Coney Lode, not monumented.
- 21.767 Intersect line 18-19, M.S. No. 3002, El Padre Lode.

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 28 inches in the ground, and in a mound of stone, 3 ft. base, to bottom of aluminum cap marked



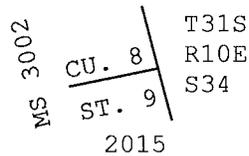
Bury a magnet enclosed in a plastic case at the base.

Corner is located on a steep north slope, in dense timber.

- 22.673 Corner No. 8, M.S. No. 3002, Cuprum Lode, identical to Corner No. 9, Stevenite Lode, monumented with a mound of stone, scattered, 4 ft. base, with a 4 inch diameter soft spot in the center, and with two pine posts, 4 inches square, 4 ft. long, one marked 8/3002 and the other marked 9/3002, lying loosely on top of the mound of stone.

At the corner point

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 27 inches in the ground, and in a mound of stone, 4 ft. base, to bottom of aluminum cap marked



Bury a magnet enclosed in a plastic case at the base.

The remaining 1894 bearing tree is a dead and decayed soft trunk, not remeasured.

Place the pine post in mound of stone, along north side of the aluminum post.

DEPENDENT RESURVEY OF CUPRUM LODE, MINERAL SURVEY NO. 3002,
IN T. 31 S., R. 10 E., SALT LAKE MERIDIAN, UTAH

CHAINS

Corner is located on a steep north slope, in dense timber, at the top of a small granite slide.

S. 62°39.0'W., on line 8-5, M.S. No. 3002, Cuprum Lode, identical with line 9-12, M.S. No. 3002, Stevenite Lode.

4.597 Corner No. 5, M.S. No. 3002, Cuprum Lode, identical to Corner No. 12, Stevenite Lode.

Dependent Resurvey of Stevenite Lode, Mineral Survey No. 3002
In T. 31 S, R. 10 E., Salt Lake Meridian, Utah

Reestablishment of the Survey
Executed by F.L. Biddlecom in 1894

From Corner No. 9, M.S. No. 3002, Stevenite Lode, identical to Corner No. 8, Cuprum Lode.

S. 26°32.1'E., on line 9-10, M.S. No. 3002, Stevenite Lode.

23.154 Corner No. 10, M.S. No. 3002, Stevenite Lode, monumented with a mound of stone, 3 ft. base, 1 ft. high, with the decayed remains of the original pine post, 4 inches square, 36 inches long, lying loosely along the downhill side of the mound of stone.

At the corner point

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 25 inches in the ground, and in a mound of stone, 3 ft. base, to bottom of aluminum cap marked

MS 3002
S. 10
2015
T31S
R10E
S34

Bury a magnet enclosed in a plastic case at the base.

From which the 1894 bearing tree

A spruce, 18 inches diameter, bears N.65°E., 14 links distance, with no marks visible on a mostly healed blaze.
(Record: 9 ft. distance)

Place the pine post in mound of stone, along south side of the aluminum post.

Corner is located on a steep northeasterly slope.

DEPENDENT RESURVEY OF STEVENITE LODE, MINERAL SURVEY NO. 3002,
IN T. 31 S., R. 10 E., SALT LAKE MERIDIAN, UTAH

CHAINS

S. 64°37.8'W., on line 10-11, M.S. No. 3002, Stevenite Lode.

- 4.578 Corner No. 11, M.S. No. 3002, Stevenite Lode, monumented with a mound of stone, 5 ft. base, 1 ft. high, with an opening at the center of the mound of stone, but with no remaining evidence of the original pine post.

At the corner point

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 6 inches in the ground to solid granite, and in a mound of stone, 4 ft. base, to bottom of aluminum cap marked

T31S R10E
S34 MS 3002
S. 11
2015

Bury a magnet enclosed in a plastic case at the base.

Corner is located on southwest slope of Kimble and Turner Peak.

N. 26°35.2'W., on line 11-12, M.S. No. 3002, Stevenite Lode.

- 22.996 Corner No. 12, M.S. No. 3002, Stevenite Lode, identical to Corner No. 5, Cuprum Lode.

Dependent Resurvey of Coney Lode, Mineral Survey No. 3002
In T. 31 S, R. 10 E., Salt Lake Meridian, Utah

Reestablishment of the Survey
Executed by F.L. Biddlecom in 1894

From Corner No. 13, M.S. No. 3002, Coney Lode, monumented with a weathered pine post, 4 inches square, firmly set, projecting 3 ft. above granite slide, with faint and illegible marks on south face.

At the corner point

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 30 inches into granite slide, with aluminum cap marked

T31S R10E
S34
CO. 13
MS 3002
2015

Bury a magnet enclosed in a plastic case at the base.

DEPENDENT RESURVEY OF CONEY LODGE, MINERAL SURVEY No. 3002,
IN T. 31 S., R. 10 E., SALT LAKE MERIDIAN, UTAH

CHAINS

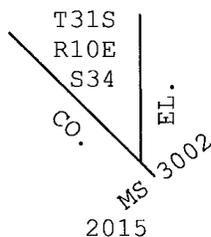
Place the pine post in the mound of stone, along north side of the aluminum post.

Corner is located on a steep south slope.

S.18°12.9'E., on line 13-14, M.S. No. 3002, Coney Lode.

9.903 Intersect line 19-20, M.S. No. 3002, El Padre Lode.

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 16 inches in the ground, and in a mound of stone, 3 ft. base, to bottom of aluminum cap marked



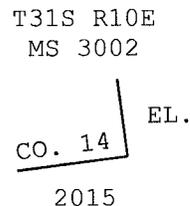
Bury a magnet enclosed in a plastic case at the base.

Corner is located on steep east slope, at the split root base of a spruce, 3 ft. diameter.

17.003 Corner No. 14, M.S. No. 3002, Coney Lode, re-established by Grant Boundary adjustment, there is no remaining evidence of the original corner.

At the corner point

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 28 inches in the ground, and in a mound of stone, 3 ft. base, to bottom of aluminum cap marked



Bury a magnet enclosed in a plastic case at the base.

Corner is located on a steep north slope, at easterly edge of a thick timber stand, and near the west edge of a steep open slide.

S.71°47.1'W., on line 14-15, M.S. No. 3002, Coney Lode.

2.251 Intersect line 7-8, M.S. No. 3002, Cuprum Lode.

DEPENDENT RESURVEY OF CONEY LODGE, MINERAL SURVEY NO. 3002,
IN T. 31 S., R. 10 E., SALT LAKE MERIDIAN, UTAH

CHAINS

- 2.362** Intersect line 19-20, M.S. No. 3002, El Padre Lode, not monumented.
- 4.575** Corner No. 15, M.S. No. 3002, Coney Lode, monumented with an embedded mound of stone, 4 ft. diameter, with a 5 inch diameter hole at approximate center; the original pine post, 4 inches diameter, soft and decayed, was found lying loosely downhill from the mound of stone.

At the corner point

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 28 inches in the ground, and in a mound of stone, 3 ft. base, to bottom of aluminum cap marked

T31S	MS 3002
R10E	CO. 15
MS 3002	CU.
	2015

Bury a magnet enclosed in a plastic case at the base.

From which the 1894 bearing tree

A soft and decayed spruce stump, 19 inches diameter, bears S.36°W., 24 links distance, marked 15/3002 BT. (Record: 16 ft.)

Corner is located on a steep north slope, in dense pine growth.

N.18°12.9'W., on line 15-16, M.S. 3002, Coney Lode.

- 14.088** Intersect line 3-4, M.S. 3002, Bromide Lode.
- 15.107** Intersect line 7-8, M.S. 3002, Cuprum Lode.
- 17.003** Corner No. 16, M.S. No. 3002, Coney Lode, reestablished by Grant Boundary Adjustment; there is no remaining evidence of the original corner.

At the corner point

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 28 inches in the ground, and in a mound of stone, 3 ft. base, to bottom of aluminum cap marked

BR.	MS 3002
	CO. 16
	2015

Bury a magnet enclosed in a plastic case at the base.

DEPENDENT RESURVEY OF CONEY LODGE, MINERAL SURVEY No. 3002,
IN T. 31 S., R. 10 E., SALT LAKE MERIDIAN, UTAH

CHAINS

Corner is located on a steep east slope.

N.71°47.1'E., on line 16-13, M.S. No. 3002, Coney Lode.

2.467 Intersect line 3-4, M.S. No. 3002, Bromide Lode.

4.575 Corner No. 13, M.S. No. 3002, Coney Lode.

Dependent Resurvey of El Padre Lode, Mineral Survey No. 3002
In T. 31 S, R. 10 E., Salt Lake Meridian, Utah

Reestablishment of the Survey
Executed by F.L. Biddlecom in 1894

From Corner No. 17, M.S. No. 3002, El Padre Lode, determined at
record bearing and distance from the 1894 bearing tree.

A pine, 30 inches diameter, bears S.85°W., 44 links distance,
with partial marks visible on a mostly healed blaze.
(Record: 29 ft.)

At the corner point

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 30
inches into granite slide, with aluminum cap marked

T31S R10E
S34
EL. 17
MS 3002
2015

Bury a magnet enclosed in a plastic case at the base.

Corner is located on a steep southeasterly slope, in a granite
slide.

S.0°10.9'W., on line 17-18, M.S. No. 3002, El Padre Lode.

12.875 Corner No. 23, M.S. No. 3002, Triune Placer, determined at record
bearing and distance from the 1894 bearing tree.

A pine, 24 inches diameter, bears N.81°30'E., 65 links
distance, marked 23/3002 BT on an open blaze. (Record:
43 ft.)

At the corner point

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 26
inches in the ground, and in a mound of stone, 3 ft. base, to

DEPENDENT RESURVEY OF EL PADRE LODGE, MINERAL SURVEY NO. 3002,
IN T. 31 S., R. 10 E., SALT LAKE MERIDIAN, UTAH

CHAINS

bottom of aluminum cap marked

EL.	T31S R10E
	S34
	TR. 23

MS 3002
2015

Bury a magnet enclosed in a plastic case at the base.

Corner is located on steep southeasterly slope, above cut bank of a mine road, 20 ft. high.

- 22.785** Corner No. 18, M.S. No. 3002, El Padre Lode, identical with Corner No. 22, M.S. No. 3002, Triune Placer, determined by intersecting the bearing of restored line 21-22, parallel to line 23-24, and the bearing of found line 17-23; there is no remaining evidence of the original corner.

At the corner point

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 28 inches in the ground, and in a mound of stone, 3 ft. base, to bottom of aluminum cap marked

MS 3002	
EL. 18	TR. 22
	T31S R10E
	S34
	2015

Bury a magnet enclosed in a plastic case at the base.

Corner is located on a steep northwesterly slope, in dense pine growth.

N. 89° 48.9' W., on line 18-19, M.S. No. 3002, El Padre Lode.

- 4.397** Intersect line 7-8, M.S. No. 3002, Cuprum Lode.
- 4.546** Corner No. 19, M.S. No. 3002, El Padre Lode, determined by making line 20-19 parallel and equidistant to line 17-18 from corner No. 20, M.S. No. 3002; there is no remaining evidence of the original corner.

At the corner point

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 23 inches in the ground, and in a mound of stone, 3 ft. base, to bottom of aluminum cap marked

DEPENDENT RESURVEY OF EL PADRE LODGE, MINERAL SURVEY NO. 3002,
 IN T. 31 S., R. 10 E., SALT LAKE MERIDIAN, UTAH
 CHAINS

T31S R10E
 MS 3002
 CU. EL. 19
 2015

Bury a magnet enclosed in a plastic case at the base.

Corner is located on a steep north slope, in dense timber.

N.0°10.9'E., on line 19-20, M.S. No. 3002, El Padre Lodge.

- 0.050 Intersect line 14-15, M.S. No. 3002, Coney Lodge.
- 0.290 Intersect line 7-8, M.S. No. 3002, Cuprum Lodge.
- 7.532 Intersect line 13-14, M.S. No. 3002, Coney Lodge.
- 22.785 Corner No. 20, M.S. No. 3002, El Padre Lodge, determined at record distance from Corner No. 17, on a bearing adjusted from found line 17-23; there is no remaining evidence of the original corner.

At the corner point

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 18 inches in the ground, to solid granite, and in a mound of stone, 3 ft. base, to bottom of aluminum cap marked

T31S R10E
 S34
EL. 20
 MS 3002
 2015

Bury a magnet enclosed in a plastic case at the base.

Corner is located on a steep southeast slope.

S.89°49.1'E., on line 20-17, M.S. No. 3002, El Padre Lodge.

- 4.545 Corner No. 17, M.S. No. 3002, El Padre Lodge.

DEPENDENT RESURVEY OF TRIUNE PLACER, MINERAL SURVEY NO. 3002,
 IN T. 31 S., R. 10 E., SALT LAKE MERIDIAN, UTAH
 CHAINS

Dependent Resurvey of Triune Placer, Mineral Survey No. 3002
 In T. 31 S, R. 10 E., Salt Lake Meridian, Utah

Reestablishment of the Survey
 Executed by F.L. Biddlecom in 1894

From Corner No. 21, M.S. No. 3002, Triune Placer, monumented with a mound of stone, 3 ft. base, 1 ft. high, with the original pine post, 4 inches square, 4 ft. long, marked 21\3002, lying loosely alongside.

At the corner point

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 27 inches in the ground, and in a mound of stone, 3 ft. base, to bottom of aluminum cap marked

MS 3002	T31S
TR. 21	R10E
	S35

2015

Bury a magnet enclosed in a plastic case at the base.

The 1894 bearing tree is a dead and decayed soft trunk, lying loosely uphill from corner, with partial marks remaining, not remeasured.

Place the pine post in mound of stone, along north side of the aluminum post.

Corner is located in dense deadfall, on steep northwesterly slope.

S.80°56.0'W., on line 21-22, M.S. No. 3002, Triune Placer.

22.316 Intersect the section line of sections 34 and 35, not monumented.

41.032 Corner No. 22, M.S. No. 3002, Triune Placer, identical with Corner No. 18, M.S. No. 3002, El Padre Lode.

From corner No. 23, M.S. No. 3002, Triune Placer, on line 17-18, M.S. No. 3002 El Padre Lode.

N.80°56.0'E., on line 23-24, M.S. No. 3002, Triune Placer.

18.670 Intersect the section line of sections 34 and 35, not monumented.

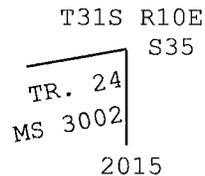
DEPENDENT RESURVEY OF TRIUNE PLACER, MINERAL SURVEY NO. 3002,
IN T. 31 S., R. 10 E., SALT LAKE MERIDIAN, UTAH

CHAINS

- 41.223** Corner No. 24, M.S. No. 3002, Triune Placer, monumented with a scattered mound of stone, 4 ft. base, 1 ft. high, with two posts lying loosely alongside, the original spruce post, decayed, 4 inches square, 2 ft. long, with no marks remaining, and a hewn wood post, 5 inches diameter, 5 ft. long.

At the corner point

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 20 inches in the ground, and in a mound of stone, 3 ft. base, to bottom of aluminum cap marked



Bury a magnet enclosed in a plastic case at the base.

The 1894 bearing tree is a spruce, 2 ft. diameter, dead and down, with faint marks remaining on a partially healed blaze, not remeasured.

Place the wood posts in mound of stone, along north side of the aluminum post.

Corner is located on a steep easterly slope, in scattered timber.

S.1°16.2'W., on line 24-21, M.S. No. 3002, Triune Placer.

- 9.942** Corner No. 21, M.S. No. 3002, Triune Placer.
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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

Name	Capacity
Ronald K. Baugh	Supervisory Cadastral Surveyor
R. Keith Batty	Cadastral Surveyor
Nicholas Verhoef	Survey Tech. (Student)
Joshua Zettel	Survey Tech. (Student)
Dan Soto	Survey Aid

CERTIFICATE OF SURVEY

I, *Jacob R. Murdoch*, Cadastral Surveyor, HEREBY CERTIFY upon honor, that in pursuance of Special Instructions bearing the *11th day of August, 2014*, have *dependently resurveyed a portion of the south boundary, a portion of the subdivisional lines, and mineral survey no. 3002, in Township 31 South, Range 10 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.

April 7, 2016

Date

J.R. Murdoch

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, and mineral survey no. 3002 in Township 31 South, Range 10 East, Salt Lake Meridian, Utah*, executed by *Jacob R. Murdoch, Cadastral Surveyor*, having been critically examined and found correct, are hereby approved.

April 22, 2016

Date

Daniel W. Webb

Chief Cadastral Surveyor for Utah