UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ORIGINAL

FIELD NOTES

OF THE

DEPENDENT RESURVEY

OF

A PORTION OF THE SOUTH BOUNDARY,

A PORTION OF THE SUBDIVISIONAL LINES,

THE SUBDIVISION OF SECTION 36,

AND

A METES-AND-BOUNDS SURVEY IN SECTION 36,

TOWNSHIP 21 SOUTH, RANGE 63 EAST,

OF THE MOUNT DIABLO MERIDIAN,

IN THE STATE OF NEVADA

EXECUTED BY

Bradley F. Dillon, Cadastral Surveyor

Under Special Instructions dated February 11, 2015,

and approved February 11, 2015,

which provided for the surveys included under Group No. 940,

and Assignment Instructions dated February 19, 2015.

Survey commenced February 26, 2015

Survey completed March 3, 2015

INDEX DIAGRAM

TOWNSHIP 21 SOUTH, RANGE 63 EAST, MOUNT DIABLO MERIDIAN, NEVADA FIFTH STANDARD PARALLEL SOUTH

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CHAINS

The following field notes are those of the dependent resurvey of a portion of the south boundary, a portion of the subdivisional lines, the subdivision of section 36, and a metes-and-bounds survey in section 36, Township 21 South, Range 63 East, Mount Diablo Meridian, Nevada.

The west boundary was surveyed by U.S. Deputy Surveyors J.M. Brundt and W.H. Proctor, in 1881, under Contract No. 127. The north boundary (Fifth Standard Parallel South), was surveyed by U.S. Deputy Surveyor W.H. Myrick, in 1882, under Contract No. 139. The south and east boundaries and the subdivisional lines were surveyed by U.S. Deputy Surveyor T.A. Magee, in 1883, under Contract No. 149. The north boundary (Fifth Standard Parallel South), the south boundary and a portion of the east boundary were dependently resurveyed by U.S. Cadastral Engineers C.S. Swanholm and A. Nelson and U.S. Surveyor R.C. Yundt, in 1931, under Group No. 169. The west boundary, a portion of the east boundary and the subdivisional lines were dependently resurveyed by Associate Cadastral Engineer E. Voigt and Assistant Cadastral Engineer J.W. Hardison, in 1943, under Group No. 336. A portion of the south boundary, a portion of the subdivisional lines and portions of Mineral Survey No. 4743 were dependently resurveyed, sections 26 and 34 subdivided and metesand-bounds surveys in sections 26, 34 and 35 were surveyed by Cadastral Surveyor R.E. Williams, in 1991-1996, under Group No. 713. Mineral Survey No. 4455 was surveyed by U.S. Mineral Surveyor C.H. Fenner in 1920. Mineral Survey No. 4533 was surveyed by U.S. Mineral Surveyor A.H. Black in 1922. Mineral Survey No. 4743 was surveyed by U.S. Mineral Surveyor R.L. Motz City of Henderson, Exhibit "B"-Annexation Map, was in 1938. prepared by City of Henderson Surveyor Robert L. Carrington, Nevada Professional Land Surveyor No. 9103, unrecorded, date unknown.

Before restoring the corners, the lines of the original surveys were retraced and a diligent search made for any evidence of the position of the original corners and other calls of the original field note record.

The rules of proportionate measurement were applied in order to ascertain the position of lost corners, after completing the necessary retracements to connect with identified corner locations. In order to simplify the record, the true line notes only are supplied herewith, which refer to the completed survey.

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. 940, dated February 11, 2015.

Measurements were made with Trimble R-8 Global Positioning System (GPS) receivers using the real-time kinematic (RTK) method. The direction of each line is with reference to the true meridian and are reported as mean bearings. The distances are reported as horizontal measurement at a mean ground elevation of 2,200 feet above sea level.

TOWNSHIP 21 SOUTH, RANGE 63 EAST, MOUNT DIABLO MERIDIAN, NEVADA

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The NAD 1983 (2011) (EPOCH:2010.0000) geographic position, of the following corners were determined from GPS static observations processed by National Geodetic Survey, Online Positioning User Service (OPUS), utilizing Continuous Operation Reference Stations (CORS) NVTP TROPICANA CORS ARP, NVLM AMS WT FACILITY CORS ARP and NVPO MT. POTOSI CORS ARP and carried forward by RTK observations.

The 1/4 sec. cor. of sec. 36, on the S. bdy. of the Tp., is as follows:

Latitude: 36°04'17.852" N. Longitude: 114°53'44.611" W.

The cor. of secs. 25, 26, 35 and 36, is as follows:

Latitude: 36°05'10.532" N. Longitude: 114°54'15.759" W

The March 9, 2015, mean magnetic declination was determined to be 11°45′E., as obtained from the National Oceanic and Atmospheric Administration's National Geophysical Data Center declination calculator.

DEPENDENT RESURVEY OF A PORTION OF THE SOUTH BOUNDARY, T. 21 S., R. 63 E., MOUNT DIABLO MERIDIAN, NEVADA

Reestablishment of a Portion of the Survey Executed by U.S. Deputy Surveyor T.A. Magee in 1883 and a Portion of the Dependent Resurvey Executed by U.S. Cadastral Engineers C.S. Swanholm and A. Nelson and U.S. Surveyor R.C. Yundt in 1931

Beginning at the 1/4 sec. cor. of sec. 36 only, monumented with an iron post, 1 in. diam., firmly set in a mound of stone, 5 ft. base to top, with brass cap mkd. as described in the field notes of the dependent resurvey of the north boundary of T. 22 S., R. 63 E., executed under Group No. 169. Add the marks T21S R63E 2015 to the brass cap.

Cor. is located on the top of a rocky ridge, bears N. 35° E. and S. 35° W.

From this point, the 1/4 sec. cor. of sec. 1 only, T. 22 S., R. 63 E., monumented with an iron post, 1 in. diam., firmly set in a mound of stone, 4 ft. base to top, with brass cap mkd. as described in the field notes of the dependent resurvey of the north boundary of T. 22 S., R. 63 E., executed under Group No. 169, bears S. 89°58'40" W., 1.585 chs. dist. Add the marks T22S R63E 2015 to the brass cap.

S. 89°43'00" W., bet. secs. 1 and 36.

- 2.60 | Sharp crest of rocky spur.
- 7.60 Wash, in bottom of main draw, drains N.
- 20.30 | Head of small draw, drains SE.

DEPENDENT RESURVEY OF A PORTION OF THE SOUTH BOUNDARY T. 21 S., R. 63 E., MOUNT DIABLO MERIDIAN, NEVADA

CHAINS	
23.50	Ridge spur, bears N. and S.
30.10	Draw, drains N.
33.00	Small rocky spur.
35.80	Small draw, drains N. 20° W.
37.148	The cor. of secs. 35 and 36 only, monumented with an iron post, 2 ins. diam., firmly set in a mound of stone, 5 ft. base to top, with brass cap mkd. as described in the field notes of the dependent resurvey of the north boundary of T. 22 S., R. 63 E., executed under Group No. 169.
	DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES, T. 21 S., R. 63 E., MOUNT DIABLO MERIDIAN, NEVADA
	Reestablishment of a Portion of the Survey Executed by U.S. Deputy Surveyor T. A Magee in 1883 and a Portion of the Dependent Resurvey Executed by Associate Cadastral Engineer E. Voigt and Assistant Cadastral Engineer J.W. Hardison in 1943
	From the cor. of secs. 35 and 36 only, on the S. bdy. of the Tp., hereinbefore described.
	N. 1°09'30" W., bet. secs. 35 and 36.
11.00	Wash, drains NW.
19.00	Top of ascent on W. slope.
27.850	Point for Angle Point No. 1, hereinafter described.
33.00	Wash, drains N. 5° W.
40.436	The 1/4 sec. cor. of secs. 35 and 36, monumented with an iron post, 1 in. diam., firmly set, projecting 4 ins. above the ground, with brass cap mkd. as described in the field notes of the dependent resurvey of the subdivision of T. 21 S., R. 63 E., executed under Group No. 336, with a mound of stone, 3 ft. base, 1 ft. high, W. of the cor. Add the marks T21S R63E 2015 to the brass cap.
	N. 1°06'30" W., beginning new measurement.
17.439	Point for Angle Point No. 6, hereinafter described.
18.078	Point for Angle Point No. 7, hereinafter described.
27.50	Spur, slopes N. 20° W.
29.917	Point for Angle Point No. 9, hereinafter described.
35.70	Trail road, bears NE. and SW.

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES, T. 21 S., R. 63 E., MOUNT DIABLO MERIDIAN, NEVADA

	T. 21 S., R. 63 E., MOUNT DIABLO MERIDIAN, NEVADA
CHAINS	
40.487	The cor. of secs. 25, 26, 35 and 36, monumented with an iron post, 2 ins. diam., firmly set, projecting 8 ins. above the ground, with brass cap mkd. as described in the field notes of the dependent resurvey of the subdivision of T. 21 S., R. 63 E., executed under Group No. 336, with additional marks 1991 on the brass cap, with a mound of stone, 3 ft. base, 1 ft. high, W. of the cor.
	From the 1/4 sec. cor. of secs. 25 and 36, monumented with an iron post, 1 in. diam., firmly set in a mound of stone, 5 ft. base to top, with brass cap mkd. as described in the field notes of the dependent resurvey of the subdivision of T. 21 S., R. 63 E., executed under Group No. 336. Add the marks T21S R63E 2015 to the brass cap.
	N. 89°33'30" W., bet. secs. 25 and 36.
7.80	Enter wash, drains N.
12.30	Leave wash.
13.30	The N. point of a spur from S.
16.30	Enter wash, drains N.
25.80	Leave wash.
31.30	Spur, slopes N. 15° E.
34.20	Wash, drains NE.
36.80	Trail road, bears N. and S.
40.226	The cor. of secs. 25, 26, 35 and 36.
	SUBDIVISION OF SECTION 36, T. 21 S., R. 63 E., MOUNT DIABLO MERIDIAN, NEVADA
	From the 1/4 sec. cor. of sec. 36 only, on the S. bdy. of the Tp.
	N. 1°03'30" E., on the N-S center line of sec. 36.
40.286	Point for the center 1/4 sec. cor. of sec. 36, at intersection with the E-W center line.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 27 ins. in the ground, over a plastic encased magnet, with brass cap mkd.
	T21S R63E C 1/4 S36 2015
	Cor. is located 330 lks. E. of trail road, bears N. and S.

SUBDIVISION OF SECTION 36, T. 21 S., R. 63 E., MOUNT DIABLO MERIDIAN, NEVADA

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CHAINS	
80.427	The 1/4 sec. cor. of secs. 25 and 36.
	From the 1/4 sec. cor. of sec. 36 only, on the E. bdy. of the Tp., monumented with an iron post, 1 in. diam., firmly set in a mound of stone, 5 ft. base to top, with brass cap mkd. as described in the field notes of the dependent resurvey of a portion of the east boundary, T. 21 S., R. 63 E., executed under Group No. 169. Add the marks T21S R63E 2015 to the brass cap.
	Cor. is located near the bottom of a deep canyon, on the N. side of a dry wash, drains N. 20° E.
	S. 89°56'50" W., on the E-W. center line of sec. 36.
39.258	The center 1/4 sec. cor. of sec. 36.
70.887	Point for a witness point at the intersection of line 4-5 of this metes-and-bounds survey with the E-W. centerline of sec. 36.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 23 ins. in the ground, over a plastic encased magnet, and in a collar of stone, with brass cap mkd.
	WP
	S36
	c—————————————————————————————————————
	2015
	Cor. is located on a rocky, SW. facing slope.
77.963	The 1/4 sec. cor. of secs. 35 and 36.
	METES-AND-BOUNDS SURVEY IN SECTION 36, T. 21 S., R. 63 E., MOUNT DIABLO MERIDIAN, NEVADA
	From the point selected for Angle Point No. 1, on line bet. secs. 35 and 36.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 6 ins. in the ground, to bedrock, over a plastic encased magnet, in a supporting mound of stone, 5 ft. base to top, with brass cap mkd.

T21S R63E
200A 6121
AP
S35 S36
2015
Cor. is located 1.40 chs. E. of a dry wash, drains N. 15° E., on a steep, rocky, W. facing slope.
From this point, a wood post of unknown origin, 6x4 ins., loosely set, projecting 30 ins. above a mound of stone, 3 ft. base, 1 ft. high, no visible mks., bears N. 41°49'30" E., 1.327 chs. dist.
From this same point, the $1/4$ sec. cor. of secs. 35 and 36, hereinbefore described, bears N. 1°09'30" W., 12.586 chs. dist.
N. 81°45'50" E., on line 1-2.
Point for Angle Point No. 2, sec. 36.
Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 8 ins. in the ground, to bedrock, over a plastic encased magnet, in a supporting mound of stone, 5 ft. base to top, with brass cap mkd.
S36
AP2
2015
Cor. is located on a steep, rocky, W. facing slope.
From this point, a wood post of unknown origin, 5x3 ins., loosely set, projecting 30 ins. above a mound of stone, 3 ft. base, 1 ft. high, no visible mks., bears N. 77°10′50″ E., 1.155 chs. dist.
N. 18°44'10" W., on line 2-3.
Point for Angle Point No. 3, sec. 36.
Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 14 ins. in the ground, to bedrock, over a plastic encased magnet, in a supporting mound of stone, 4 ft. base to top, with brass cap mkd.

CHAINS	
3	S36
	AP3
	2015
	Cor. is located on a rocky, W. facing slope.
	From this point, a wood post of unknown origin, 4x4 ins., firmly set, projecting 24 ins. above a mound of stone, 4 ft. base, 2 ft. high, no visible mks., bears S. 57°05'30" W., 1.922 chs. dist.
	N. 81°45'50" E., on line 3-4.
4.623	Point for Angle Point No. 4, sec. 36.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 23 ins. in the ground, over a plastic encased magnet, in a collar of stone, with brass cap mkd.
	S36
	AP4
	2015
	Cor. is located on a rocky, W. facing slope.
	From this point, a wood post of unknown origin, 6x4 ins., firmly set, projecting 26 ins. above a mound of stone, 4 ft. base, 2 ft. high, no visible mks., bears N. 50°40'30" E., 0.067 chs. dist.
	N. 18°44'10" W., on line 4-5.
4.103	The witness point at the intersection of line 4-5 of this metes-and-bounds survey with the E-W center line of sec. 36., hereinbefore described.
	From this point, the 1/4 sec. cor. of secs. 35 and 36, hereinbefore described, bears S. 89°56′50″ W., 7.076 chs. dist.
22.727	Point for Angle Point No. 5, sec. 36.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 10 ins. in the ground, to bedrock, over a plastic encased magnet, in a supporting mound of stone, 5 ft. base to top, with brass cap mkd.

CHAINS	S36
	536
	5
	AP \
	2015
	Cor. is located on the S. side of a dry wash, drains N. 85° W.
	From this point, a wood post of unknown origin, 4x4 ins., firmly set, projecting 12 ins. above a mound of stone, 4 ft. base, 3 ft. high, mkd. 3KA2, bears S. 59°02′10″ E., 0.142 chs. dist.
	S. 81°45'50" W., on line 5-6.
1.444	Point for Angle Point No. 6, on the line bet. secs. 35 and 36.
	Set a standard brass tablet, in a drill hole on a steep, N. facing, exposed bedrock shelf, with top mkd.
	T21S R63E
	S35 S36
	AP6
	2015
	2015
	Cor. is located 90 lks. S. of a dry wash, drains N. 65° W.
	From this point, a wood post of unknown origin, 4x4 ins., firmly set, projecting 26 ins. above a mound of stone, 4 ft. base, 2 ft. high, with illegible scribe mks., painted EW. COR. EXT., bears S. 85°05'30" W., 0.903 chs. dist.
	From this same point, the 1/4 sec. cor. of secs. 35 and 36, hereinbefore described, bears S. 1°06'30" E., 17.439 chs. dist.
	N. 1°06'30" W., on line 6-7, identical in part with the line bet. secs. 35 and 36.
0.639	Point for Angle Point No. 7, on the line bet. secs. 35 and 36.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 6 ins. in the ground, to bedrock, over a plastic encased magnet, in a supporting mound of stone, 5 ft. base to top, with brass cap mkd.

CHAINS T21S R63E S35 S36 Cor. is located on the S. side of a dry wash, drains N. 65° W. From this point, the 1/4 sec. cor. of secs. 35 and 36, hereinbefore described, bears S. 1°06'30" E., 18.078 chs. dist. N. 49°16'10" E., on line 7-8. Point for Angle Point No. 8, sec. 36. 6.025 Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 12 ins. in the ground, to bedrock, over a plastic encased magnet, in a supporting mound of stone, 4 ft. base to top, with brass cap mkd. S36 2015 Cor. is located on a SE. facing slope. From this point a mound of stone, 4 ft. base, 2 ft. high, with a wood post of unknown origin, 5x3 ins., 48 ins. long, lying loose alongside, no visible mks., bears S. 23°02'00" E., 1.293 chs. dist. N. 31°14'50" W., on line 8-9. 9.249 Point for Angle Point No. 9, on the line bet. secs. 35 and 36. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, over a plastic encased magnet, in a collar of stone, with brass cap mkd. T21S R63E 2015 Cor. is located near the crest of a ridge, bears S. 20° E. and N. 20° W., on a steep, rocky, E. facing slope.

CHAINS	From this point, the cor. of secs. 25, 26, 35 and 36, hereinbefore described, bears N. 1°06'30" W., 10.570 chs. dist.			
	GENERAL DESCRIPTION The lands included in the survey are located in Clark County near Henderson, Nevada, approximately 6 miles northeast of the city center. The vegetation consist of sagebrush and native grasses. The area is mountainous with an average elevation of approximately 2,200 ft. above sea level, with drainage generally to the northwest. The land use is primarily rural with evidence of past mining activity in the western portion of section 36.			

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

Brock R. Clifford

Supervisory Cadastral Surveyor

CERTIFICATE OF SURVEY

I, Bradley F. Dillon, Cadastral Surveyor, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 11th day of February, 2015, I have dependently resurveyed a portion of the south boundary, a portion of the subdivisional lines, subdivided section 36, and executed a metes-and-bounds survey in section 36, Township 21 South, Range 63 East, of the Mount Diablo Meridian, in the State of Nevada, 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.

APR 0 9 2015

(Date)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT Reno, Nevada

The foregoing field notes of the dependent resurvey of a portion of the south boundary, a portion of the subdivisional lines, the subdivision of section 36, and a metes-and-bounds survey in section 36, Township 21 South, Range 63 East, of the Mount Diablo Meridian, Nevada, executed by Bradley F. Dillon, Cadastral Surveyor, having been critically examined and found correct, are hereby approved.

APR 0 9 2015

(Date)

(Chief Cadastral Surveyor for Nevada)

I CERTIFY that the foregoing transcript of the field notes of the above described surveys in Township 21 South, Range 63 East, Mount Diablo Meridian, Nevada, is a true copy of the original field notes. (Date) (Chief Cadastral Surveyor for Nevada)