

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Original

FIELD NOTES

OF THE

DEPENDENT RESURVEY

OF

A PORTION OF THE WEST BOUNDARY,

THE SUBDIVISION OF SECTION 18,

AND

A METES-AND-BOUNDS SURVEY IN SECTION 18,

TOWNSHIP 15 NORTH, RANGE 64 EAST,

OF THE MOUNT DIABLO MERIDIAN,

IN THE STATE OF NEVADA

EXECUTED BY

Wayne S. Hancock, Cadastral Surveyor

Mark G. Petrosine, Surveying Technician

Under Special Instructions dated February 9, 2007,

and approved February 9, 2007,

which provided for the surveys included under Group No. 846,

and Assignment Instructions dated February 9, 2007.

Survey commenced February 16, 2007

Survey completed November 1, 2007

INDEX DIAGRAM

TOWNSHIP 15 NORTH, RANGE 64 EAST, MOUNT DIABLO MERIDIAN, NEVADA

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TOWNSHIP 15 NORTH, RANGE 64 EAST, MOUNT DIABLO MERIDIAN, NEVADA

CHAINS

The following field notes are those of the dependent resurvey of a portion of the west boundary, the subdivision of section 18, and a metes-and-bounds survey in section 18, Township 15 North, Range 64 East, Mount Diablo Meridian, Nevada.

The north boundary (Third Standard Parallel North) was surveyed by U.S. Deputy Surveyors E.B. Monroe and A.G. Bateman in 1871 under Contract No. 44. The south, east and west boundaries and subdivisional lines were surveyed by U.S. Deputy Surveyors E.B. Monroe and A.G. Bateman in 1872 under Contract No. 48. The south boundary was dependently resurveyed by Cadastral Surveyors H.G. Parker and J.R. Munson in 1964 under Group No. 420. A portion of the north boundary (Third Standard Parallel North) was dependently resurveyed by Cadastral Surveyors H.G. Parker and R.A. Pratt in 1967 under Group No. 446. A portion of the north boundary (Third Standard Parallel North), the east and west boundaries and the subdivisional lines were dependently resurveyed by Cadastral Surveyors H.G. Parker, E.W. Sibley and R.A. Pratt in 1967-68 under Group No. 454.

Before restoring the corners, the lines of prior surveys were retraced and a diligent search made for all corners and other calls record.

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, 1973, and the Special Instructions for Group No. 846, dated February 9, 2007.

Measurements were made with Trimble 4700, 5700, and 5800 Global Positioning System (GPS) receivers using real-time kinematic and static methods and refer to the true meridian based on geodetic methods. The mean bearings of the lines and horizontal equivalents of ground distances only are entered in the field notes.

The NAD 83 (CORS 96) geographic position of the 1/4 section corner of sections 18 and 19, determined from GPS static observations processed by the National Geodetic Survey, Online Positioning User Service(OPUS), utilizing Continuously Operating Reference Stations(CORS): "ECHO_BRGN_NV1999 CORS ARP", "EGAN_BRGN_NV1996 CORS ARP" and "RAILROAD VALLEY CORS ARP", in 2007, and carried forward by RTK measurements, is as follows:

Latitude: 39°09'30.143" N. Longitude: 114°49'41.292" W.

The February 16, 2007, mean magnetic declination was determined to be 13°20' E. from the National Oceanic and Atmospheric Administration's National Geophysical Data Center declination calculator.

DEPENDENT RESURVEY OF A PORTION OF THE WEST BOUNDARY,
T. 15 N., R. 64 E., MOUNT DIABLO MERIDIAN, NEVADA

CHAINS	<p>Reestablishment of a Portion of the Survey Executed by E.B. Monroe and A.G. Bateman, U.S. Deputy Surveyors, in 1872, and a Portion of the Dependent Resurvey Executed by H.G. Parker, E.W. Sibley and R.A. Pratt, Cadastral Surveyors, in 1967-68</p>
	<p>Beginning at the cor. of secs. 13, 18, 19 and 24, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 5 ins. above the ground, with brass cap mkd. as described in the field notes of the dependent resurvey of the W. Bdy. of T. 15 N., R. 64 E., executed under Group No. 454, with a mound of stone, 3 ft. base, 1/2 ft. high, W. of cor., an iron pipe, 1 in. diam., projecting 12 ins. above the ground, NW. of the cor. and a steel fence post, projecting 4 ft. above the ground, SW. of the cor.</p>
	<p>N. 0°09'50" E., bet. secs. 13 and 18.</p>
	<p>Across rolling land covered with sagebrush and bunchgrass.</p>
25.15	<p>Center of dirt road, 10 lks. wide, bears NE. and SW.</p>
32.407	<p>Apparent centerline of unimproved dirt road (Bureau of Land Management Serial No. N-7743), 15 lks. wide, bears N. 65° E. and S. 65° W.</p>
32.909	<p>Point for a witness point at the intersection of the northerly right-of-way line of an unimproved road (N-7743) with the W. bdy. of the Tp., hereinafter described.</p>
40.519	<p>The 1/4 sec. cor. of secs. 13 and 18, determined at the center of a depression, on the E. side of a mound of stone, 2 1/2 ft. base, 1 ft. high; the iron post set in the 1967-68 dependent resurvey is missing.</p>
	<p>At the corner point</p>
	<p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, over a plastic-encased magnet, with brass cap mkd.</p>
	<p>T15N 1/4 R63E R64E S13 S18 2007</p>
	<p>N. 0°10'50" E., beginning new measurement.</p>
19.70	<p>Center of dirt road, 15 lks. wide, bears NE. and SW.</p>
20.246	<p>Point for the N 1/16 sec. cor. of secs. 13 and 18.</p>
	<p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, over a plastic-encased magnet, with brass cap mkd.</p>

DEPENDENT RESURVEY OF A PORTION OF THE WEST BOUNDARY,
T. 15 N., R. 64 E., MOUNT DIABLO MERIDIAN, NEVADA

CHAINS	<p style="text-align: center;">N 1/16 S13 S18</p>
	<p style="text-align: center;">2007</p>
40.492	<p>The cor. of secs. 7, 12, 13 and 18, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 6 ins. above the ground, with brass cap mkd. as described in the field notes of the dependent resurvey of the W. bdy. of T. 15 N., R. 64 E., executed under Group No. 454, with a mound of stone, 2 ft. base, 1 ft. high, W. of cor.</p> <p>Cor. is located 4 lks. SE. of a fence cor., from which a woven wire fence with cedar posts extends N. and W. and a barbed wire fence with steel posts extends E.</p>
	<p style="text-align: center;">SUBDIVISION OF SECTION 18, T. 15 N., R. 64 E., MOUNT DIABLO MERIDIAN, NEVADA</p>
	<p>From the 1/4 sec. cor. of secs. 18 and 19, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 5 ins. above the ground, with brass cap mkd. as described in the field notes of the dependent resurvey of T. 15 N., R. 64 E., executed under Group No. 454.</p>
	<p>N. 0°30'10" W., on the N-S center line of sec. 18.</p>
	<p>Across rolling land covered with scattered sagebrush and bunchgrass.</p>
8.00	<p>Powerline, extends N. 56° E. and S. 56° W.</p>
20.20	<p>Center of Cave Valley road, graded dirt, 50 lks. wide, bears S. 10° E. and N. 10° W.</p>
40.637	<p>Point for the center 1/4 sec. cor. of sec. 18, at intersection with the E-W center line.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, over a plastic-encased magnet, with brass cap mkd.</p> <p style="text-align: center;">T15N R64E C 1/4 S18</p> <p style="text-align: center;">2007</p>
61.235	<p>Point for the C-N 1/16 sec. cor. of sec. 18.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, over a plastic-encased magnet, with brass cap mkd.</p> <p style="text-align: center;">C N 1/16 S18 C</p> <p style="text-align: center;">2007</p>

SUBDIVISION OF SECTION 18,
T. 15 N., R. 64 E., MOUNT DIABLO MERIDIAN, NEVADA

CHAINS	
81.833	<p>The 1/4 sec. cor. of secs. 7 and 18, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 10 ins. above the ground, with brass cap mkd. as described in the field notes of the dependent resurvey of T. 15 N., R. 64 E., executed under Group No. 454, with and an iron rod, 1 in. square, projecting 7 ins. above the ground, set alongside the NW. side of the cor., and a steel fence post set alongside the S. side of the cor.</p> <p>Cor. is located on the S. side of the cor. of barbed wire fences bearing N., E. and W.</p> <hr/> <p>From the 1/4 sec. cor. of secs. 17 and 18, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 11 ins. above the ground, with brass cap mkd. as described in the field notes of the dependent resurvey of T. 15 N., R. 64 E., executed under Group No. 454, with a mound of stone, 2 ft. base, 1 ft. high, W. of cor., and a steel post set alongside the N. side of the cor.</p> <p>S. 89°50'20" W., on the E-W center line of sec. 18.</p> <p>Across rolling land covered with scattered sagebrush and bunchgrass.</p>
40.197	The center 1/4 sec. cor. of sec. 18.
42.55	Center of Cave Valley Road, graded dirt, 50 lks. wide, bears S. 10° E. and N. 10° W.
50.35	Center of dirt road, 15 lks. wide, bears NE. and SW.
57.704	Apparent center of unimproved dirt road (N-7743), 15 lks. wide, bears N. 70° E. and S. 70° W.
59.017	Intersect line 3-4 of the metes-and-bounds survey in sec. 18, hereinafter described.
77.131	The 1/4 sec. cor. of secs. 13 and 18, on the W. bdy. of the Tp.
5.850	<p>From the C-N 1/16 sec. cor. of sec. 18.</p> <p>S. 89°17'20" W., on the E-W center line of the NW1/4 of sec. 18.</p> <p>Point for a witness point at the intersection of the apparent centerline of Cave Valley Road with the E-W center line of the NW1/4 of sec. 18, hereinafter described.</p>
9.70	Center of dirt road, 15 lks. wide, bears S. 25° E. and N. 20° W.
35.25	Center of dirt road, 15 lks. wide, bears N. 70° E. and S. 65° W.
36.690	The N 1/16 sec. cor. of secs. 13 and 18, on the W. bdy. of the Tp.

METES-AND-BOUNDS SURVEY IN SECTION 18,
T. 15 N., R. 64 E., MOUNT DIABLO MERIDIAN, NEVADA

<p>CHAINS</p>	<p style="text-align: center;">Memorandum</p> <p>The following metes-and-bounds survey identifies certain irregular boundaries of Parcel 2 of the Ely Shoshone Expansion in T. 15 N., R. 64 E., Mount Diablo Meridian, as described in the White Pine County Conservation, Recreation and Development Act of 2006.</p> <p>The southern boundary of Parcel 2 is defined as the northerly right-of-way of an unimproved dirt road, a reserved right-of-way granted under Bureau of Land Management Serial No. N-7743. This was converted to a section 507 FLPMA right-of-way reservation on March 10, 1998. The northerly right-of-way line of the unimproved dirt road (N-7743) is a line parallel to and 30 feet northerly of the apparent centerline of the existing road.</p> <p>The eastern boundary of Parcel 2 is defined as along the apparent centerline of White Pine County Road 45, a graded dirt road locally designated as Cave Valley Road.</p> <p>Witness points were established at intersections marking the beginning and terminus of the metes-and-bounds survey. Angle points were established where there was a change in alignment.</p> <hr/> <p>From the point for a witness point, at the intersection of the northerly right-of-way line of an unimproved dirt road (N-7743) with the W. bdy. of the Tp.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, over a plastic-encased magnet, with brass cap mkd.</p> <p style="text-align: center;"> WP T15N R63E R64E S S  13 18 2007 </p> <p>Set a steel sign post alongside the stainless steel post.</p> <p>N. 65°26'30" E., along the northerly right-of-way line.</p> <p>Across nearly level land covered with scattered sagebrush and bunchgrass.</p> <p>3.203 Point for Angle Point No. 1, sec. 18.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 23 ins. in the ground, over a plastic-encased magnet, with brass cap mkd.</p>
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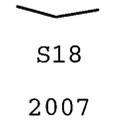
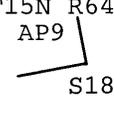
METES-AND-BOUNDS SURVEY IN SECTION 18,
T. 15 N., R. 64 E., MOUNT DIABLO MERIDIAN, NEVADA

CHAINS	
	<p style="text-align: center;">T15N R64E AP1</p>  <p style="text-align: center;">S18 2007</p>
	<p>Set a steel sign post alongside the stainless steel post.</p> <hr style="width: 20%; margin: auto;"/> <p>N. 70°52'30" E., on line 1-2, along the northerly right-of-way line.</p>
5.188	<p>Point for Angle Point No. 2, sec. 18.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, over a plastic-encased magnet, with brass cap mkd.</p>
	<p style="text-align: center;">T15N R64E AP2</p>  <p style="text-align: center;">S18 2007</p>
	<p>Set a steel sign post alongside the stainless steel post.</p> <hr style="width: 20%; margin: auto;"/> <p>N. 62°42'30" E., on line 2-3, along the northerly right-of-way line.</p>
6.181	<p>Point for Angle Point No. 3, sec. 18.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, over a plastic-encased magnet, with brass cap mkd.</p>
	<p style="text-align: center;">T15N R64E AP3</p>  <p style="text-align: center;">S18 2007</p>
	<p>Set a steel sign post alongside the stainless steel post.</p> <hr style="width: 20%; margin: auto;"/> <p>N. 69°34'50" E., on line 3-4, along the northerly right-of-way line.</p>
5.151	<p>Intersect the E-W center line of sec. 18, at a point from which the center 1/4 sec. cor. of sec. 18 bears N. 89°50'20" E., 18.820 chs. dist.</p>

METES-AND-BOUNDS SURVEY IN SECTION 18,
T. 15 N., R. 64 E., MOUNT DIABLO MERIDIAN, NEVADA

CHAINS	POINT NOT MONUMENTED
6.474	<p>Point for Angle Point No. 4, sec. 18.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, over a plastic-encased magnet, with brass cap mkd.</p> <p style="text-align: center;">T15N R64E AP4  S18 2007</p> <p>Set a steel sign post alongside the stainless steel post.</p> <hr style="width: 20%; margin: auto;"/> <p>N. 75°57'20" E., on line 4-5, along the northerly right-of-way line.</p>
3.601	<p>Point for Angle Point No. 5, sec. 18.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, over a plastic-encased magnet, with brass cap mkd.</p> <p style="text-align: center;">T15N R64E AP5  S18 2007</p> <p>Set a steel sign post alongside the stainless steel post.</p> <hr style="width: 20%; margin: auto;"/> <p>N. 53°37'50" E., on line 5-6, along the northerly right-of-way line.</p>
5.543	<p>Point for Angle Point No. 6, sec. 18.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, over a plastic-encased magnet, with brass cap mkd.</p> <p style="text-align: center;">T15N R64E AP6  S18 2007</p> <p>Set a steel sign post alongside the stainless steel post.</p> <hr style="width: 20%; margin: auto;"/> <p>N. 63°51'30" E., on line 6-7, along the northerly right-of-way line.</p>

METES-AND-BOUNDS SURVEY IN SECTION 18,
T. 15 N., R. 64 E., MOUNT DIABLO MERIDIAN, NEVADA

CHAINS	
4.631	<p>Point for Angle Point No. 7, sec. 18.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, over a plastic-encased magnet, with brass cap mkd.</p> <div style="text-align: center;"> <p>T15N R64E AP7</p>  <p>S18 2007</p> </div> <p>Set a steel sign post alongside the stainless steel post.</p> <hr style="width: 20%; margin: auto;"/> <p>S. 53°46'40" E., on line 7-8, along the northerly right-of-way line.</p>
1.071	<p>Point for Angle Point No. 8, sec. 18.</p> <p>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, 2 1/2 ft. base, with brass cap mkd.</p> <div style="text-align: center;"> <p>T15N R64E AP8</p>  <p>S18 2007</p> </div> <p>Set a steel sign post alongside the stainless steel post.</p> <hr style="width: 20%; margin: auto;"/> <p>N. 74°27'00" E., on line 8-9, along the northerly right-of-way line.</p>
1.459	<p>Point for Angle Point No. 9, sec. 18, at intersection of the northerly right-of-way line of an unimproved dirt road (N-7743) with the apparent centerline of Cave Valley road, a graded dirt road, 50 lks. wide, bears SE. and NW.</p> <p>Set a copper coated steel stake, 24 ins. long, 1/2 in. diam., 8 ins. below the surface of the road, with brass cap, 1 1/2 ins. diam., mkd.</p> <div style="text-align: center;"> <p>BLM T15N R64E AP9</p>  <p>S18 2007</p> </div>

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

Michelle E. Martin

Supervisory Range Technician

Douglas E. Crawford

Surveying Technician

CERTIFICATE OF SURVEY

We, Wayne S. Hancock, Cadastral Surveyor, and Mark G. Petrosine, Surveying Technician, HEREBY CERTIFY upon honor that, in pursuance of Special Instructions bearing date of the 9th day of February, 2007, we have dependently resurveyed a portion of the west boundary, subdivided section 18, and surveyed by metes-and-bounds in section 18, Township 15 North, Range 64 East, of the Mount Diablo Meridian, in the State of Nevada, which are represented in the foregoing field notes as having been executed by us and under our 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.

December 20, 2007

(Date)

Wayne S. Hancock

(Cadastral Surveyor)

January 10, 2008

(Date)

Mark G. Petrosine

(Surveying Technician)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT
Reno, Nevada

The foregoing field notes of the dependent resurvey of a portion of the west boundary, the subdivision of section 18, and a metes-and-bounds survey in section 18, Township 15 North, Range 64 East, Mount Diablo Meridian, Nevada, executed by Wayne S. Hancock, Cadastral Surveyor, and Mark G. Petrosine, Surveying Technician, having been critically examined and found correct, are hereby approved.

January 15, 2008

(Date)

David D. Moran

(Chief Cadastral Surveyor, Nevada)

~~CERTIFICATE OF TRANSCRIPT~~

~~I CERTIFY that the foregoing transcript of the field notes of the above described surveys in T. 15 N., R. 64 E., Mount Diablo Meridian, Nevada, is a true copy of the original field notes.~~

~~(Date)~~

~~(Chief Cadastral Surveyor, Nevada)~~