

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Original

FIELD NOTES

OF THE

DEPENDENT RESURVEY

OF THE

NEVADA-OREGON STATE LINE,

BETWEEN MILE POST NO. 177+69 CHS. AND MILE POST NO. 179,

A PORTION OF THE EAST BOUNDARY

AND A PORTION OF THE SUBDIVISION-OF-SECTION LINES OF SECTION 1,

AND

THE CORRECTIVE DEPENDENT RESURVEY

OF

A PORTION OF THE SUBDIVISION-OF-SECTION LINES OF SECTION 1,

TOWNSHIP 47 NORTH, RANGE 39 EAST,

OF THE MOUNT DIABLO MERIDIAN,

IN THE STATE OF NEVADA

EXECUTED BY

Don R. Aschenbach, Cadastral Surveyor

Under Special Instructions dated July 19, 2011,

and approved July 19, 2011,

and Supplemental Special Instructions dated June 17, 2013,

and approved June 17, 2013.

which provided for the surveys included under Group No. 908,

and Assignment Instructions dated July 22, 2011.

Survey commenced September 29, 2011

Survey completed June 26, 2013

TOWNSHIP 47 NORTH, RANGE 39 EAST, MOUNT DIABLO MERIDIAN, NEVADA

CHAINS

The following field notes are those of the dependent resurvey of the Nevada-Oregon State Line, between Mile Post No. 177+69 chs. and Mile Post No. 179, a portion of the east boundary and a portion of the subdivision-of-section lines of section 1, and the corrective dependent resurvey of a portion of the subdivision-of-section lines of section 1, Township 47 North, Range 39 East, Mount Diablo Meridian, Nevada.

The Nevada-Oregon State Line was surveyed by U.S. Astronomer and Surveyor D.G. Major in 1873. The east boundary of T. 47 N., R. 38 E., was surveyed by U.S. Deputy Surveyor D. Van Lennep in 1878 under Contract No. 82. A portion of the west boundary and the Nevada-Oregon State Line between Mile Post No. 166 and Mile Post No. 184 were retraced, and the south and east boundaries, a portion of the west boundary, a portion of the subdivisional lines and a portion of the Fort McDermitt Military Reservation were surveyed by U.S. Deputy Surveyor W.D. Minckler in 1882 under Contract No. 131. A portion of the west boundary and the Fort McDermitt Military Reservation were dependently resurveyed and a portion of the subdivisional lines were surveyed by U.S. Deputy Surveyor T.K. Stewart in 1891 under Contract No. 195. The Nevada-Oregon State Line between Mile Post No. 176 and Mile Post No. 183 was retraced by U.S. Transitman J.R. English in 1917 under Oregon Group No. 22. The east boundary of T. 47 N., R. 38 E., was dependently resurveyed and the Nevada-Oregon State Line was retraced between the closing corner of T. 48 N., R. 38 and 39 E. and Mile Post No. 187 by Cadastral Surveyors W.H. Sylvester and C.C. Ellicott in 1957 under Group No. 359. The Nevada-Oregon State Line between Mile Post No. 177+69 chs. and Mile Post No. 180 was retraced, a portion of the east boundary and the subdivisional lines of sections 1 and 2 were dependently resurveyed and sections 1 and 2 were subdivided by Cadastral Surveyor N.R. Forsyth in 1987 under Group No. 643.

Before restoring the corners, the lines of the original surveys were retraced and a diligent search made for any evidence 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. 908, dated July 19, 2011, and the Supplemental Special Instructions dated June 17, 2013.

Measurements were made with Trimble R8 Global Positioning System (GPS) receivers using the real-time kinematic (RTK) method 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 1983 (2011) (Epoch: 2010.0000) geographic position of the following corners was determined from GPS static observations processed by National Geodetic Survey, Online Positioning User Service (OPUS), utilizing Continuous Operating Reference

TOWNSHIP 47 NORTH, RANGE 39 EAST, MOUNT DIABLO MERIDIAN, NEVADA

CHAINS	<p>Stations (CORS) DL7713 P013 SPRINGCREKNV2007 CORS ARP, AH8524 BURN BURNS JUNCTION CORS ARP and DL7761 P739 MCDERMITT_OR2008 CORS ARP and carried forward by RTK observations.</p> <p>The closing cor. of secs. 1 and 2, is as follows:</p> <p style="padding-left: 40px;">Latitude: 41°59'56.177" N. Longitude: 117°32'22.834" W.</p> <p>The 1/4 sec. cor. of secs. 1 and 6, is as follows:</p> <p style="padding-left: 40px;">Latitude: 41°59'06.253" N. Longitude: 117°31'13.257" W.</p> <p>The 1991 mean magnetic declination is 16°00' E., as shown on the U.S.G.S. 7 1/2 minute quadrangle map entitled "MC CONNELL PEAK, NEV.-OREG.", provisional edition dated 1991.</p> <hr/> <p style="text-align: center;">DEPENDENT RESURVEY OF THE NEVADA-OREGON STATE LINE BETWEEN MILE POST NO. 177+69 CHS. AND MILE POST NO. 179</p> <hr/> <p style="text-align: center;">Reestablishment of a Portion of the Survey Executed by U.S. Astronomer and Surveyor D.G. Major in 1873, a Portion of the Retracement Executed by U.S. Deputy Surveyor W.D. Minckler in 1882, a Portion of the Retracement Executed by U.S. Transitman J.R. English in 1917 and a Portion of the Retracement Executed by Cadastral Surveyor N.R. Forsyth in 1987</p> <hr/> <p>Beginning at Mile Post No. 177+69 chs., monumented with a brass tablet, 3 1/4 ins. diam., firmly set in a boulder, 4x4 ft., projecting 6 ft. above the ground, mkd. as described in the retracement of the Nevada-Oregon State line, between Mile Post No. 177+69 chs. and Mile Post No. 180, executed under Group No. 643. The boulder is mkd. "O" on the N. face, "N" on the S. face, 177+69 on the E. face and 42 on the W. face.</p> <p>S. 88°57'30" W., along the 177th mile.</p> <p>Over mountainous land, through scattered sagebrush and cheat grass.</p> <p>8.821 The closing cor. of Tps. 47 N., Rs. 39 and 40 E., hereinafter described.</p> <p>10.972 Point for Mile Post No. 178, at proportionate distance; falls in flood plain of Cottonwood Creek, 20 lks. wide, 3 ins. deep, where it is impractical to set a permanent monument.</p> <hr/> <p>S. 88°57'30" W., along the 178th mile.</p> <p>Over mountainous land, through scattered sagebrush and cheat grass.</p>
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DEPENDENT RESURVEY OF
THE NEVADA-OREGON STATE LINE BETWEEN
MILE POST NO. 177+69 CHS. AND MILE POST 179

CHAINS	
36.40	Ridge bears N-S.
37.691	<p>Point for the N 1/4 sec. cor. of sec. 1, T. 47 N., R. 39 E., determined SOUTH of the monument set in 1987 for the N 1/4 sec. cor. of sec. 1, and on the Nevada-Oregon State Line.</p> <p>Set an stainless steel post, 28 ins. long, 2 1/2 ins. diam., 20 ins. in the ground, over a plastic-encased magnet, in mound of stone, 4' base to top, with brass cap mkd.</p> <hr style="width: 20%; margin: 10px auto;"/> <p style="text-align: center;">1/4 S 1 T47N R39E</p> <p style="text-align: center;">2013</p> <p>From this cor. the 1987 N 1/4 sec. cor. of sec. 1, T. 47 N., R. 39 E., bears NORTH, 0.021 chs. dist., monumented with an aluminum post, 2 1/2 ins. diam., firmly set, projecting 8 ins. above a mound of stone, 4 ft. base, 1 ft. high, with aluminum cap mkd. as described in the field notes of the subdivision of sec. 1, executed under Group No. 643. Remove the original markings and add the marks AM to the aluminum cap, invert and bury in place.</p>
40.15	Draw, drains S.
57.604	<p>Point for the W 1/16 sec. cor. of sec. 1, T. 47 N., R. 39 E., determined SOUTH of the monument set in 1987 for the W 1/16 sec. cor. of sec. 1, and on the Nevada-Oregon State Line.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 21 ins. in the ground, over a plastic-encased magnet, and in a mound of stone, 3 ft. base, to top, with brass cap mkd.</p> <hr style="width: 20%; margin: 10px auto;"/> <p style="text-align: center;">W 1/16 S 1</p> <p style="text-align: center;">2012</p> <p>From this cor., the 1987 W 1/16 sec. cor. of sec. 1, T. 47 N., R. 39 E., monumented with an aluminum post, 2 1/2 ins. diam., firmly set, projecting 4 ins. above a mound of stone, 3 ft. base, 6 ins. high, with aluminum cap mkd. as described in the field notes of the subdivision of sec. 1, executed under Group No. 643, bears NORTH, 0.186 chs. dist. Remove the original markings and add the marks AM to the aluminum cap, invert and bury in place.</p>
60.701	The Oregon closing cor. of secs. 22 and 23, T. 41 S., R. 44 E., monumented with an iron post, 2 ins. diam., firmly set projecting 14 ins. above the ground, with brass cap mkd. as described in the field notes of the survey of T. 41 S., R. 44 E., executed under Oregon Group No. 22 bears SOUTH, 0.044 chs. dist.

DEPENDENT RESURVEY OF
THE NEVADA-OREGON STATE LINE BETWEEN
MILE POST NO. 177+69 CHS. AND MILE POST 179

CHAINS	
77.524	The closing cor. of secs. 1 and 2, T. 47 N., R. 39 E., monumented with an aluminum post, 2 1/2 ins. diam., firmly set in collar of stone, with aluminum cap mkd. as described in the field notes of the dependent resurvey of the subdivisional lines, T. 47 N., R. 39 E., executed under Group No. 643.
77.80	Creek, 3 lks. wide, 1 ft. deep, course SSW.
79.798	Mile Post No. 179, monumented with an aluminum post, 2 1/2 ins. diam., firmly set, in a mound of stone, 4 ft. base, 6 ins. high, with aluminum cap mkd. as described in the notes of the retracement of the Nevada-Oregon State line bet. Mile Post 117+69 chs. and Mile Post 180, executed under Group No. 643.
<hr/> <p>DEPENDENT RESURVEY OF A PORTION OF THE EAST BOUNDARY, T. 47 N., R. 39 E., MOUNT DIABLO MERIDIAN, NEVADA</p> <hr/> <p>Reestablishment of a Portion of the Survey Executed by W.D. Minkler in 1883 and a Portion of the Dependent Resurvey Executed by N.R. Forsyth in 1987</p> <hr/>	
	<p>From the 1/4 sec. cor. of secs. 1 and 6, monumented with an aluminum post, 2 1/2 ins. diam. firmly set in a mound of stone, 3 ft. base, 16 ins. high, with aluminum cap mkd. as described in the notes of the dependent resurvey of the east bdy. of sec. 1, executed under Group No. 643</p> <p>N. 0°01'50" E., bet. secs. 1 and 6.</p> <p>Over mountainous land, through scattered sagebrush and cheat grass.</p>
16.30	Ridge, bears NW. and SE.
42.30	Ridge bears NW. and SE.
55.10	Trail road, bears E. and W.
62.30	East Fork Quinn River, 15 lks. wide, 1 ft. deep, drain WSW.
78.019	The 1987 closing cor. of Tps. 47 N., Rs. 39 and 40 E., monumented with an aluminum post, 2 1/2 ins. diam., firmly set, projecting 4 ins. Above a mound of stone, 6 ft. base, 18 ins. high, with aluminum cap mkd. as described in the notes of the dependent resurvey of the east bdy. of sec. 1, executed under Group No. 643. Remove the original markings and add the marks AM to the aluminum cap, invert and bury in place.
78.039	Intersect the Nevada-Oregon State Line.
	<p>Point for the closing cor. of Tps. 47 N., Rs. 39 and 40 E.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 14 ins. in the ground, over a plastic-encased magnet, with brass cap mkd.</p>

DEPENDENT RESURVEY OF A PORTION OF THE EAST BOUNDARY,
T. 47 N., R. 39 E., MOUNT DIABLO MERIDIAN, NEVADA

CHAINS									
	<div style="text-align: center;"> <table border="1" style="margin: auto;"> <tr><td>S 1</td><td>S 6</td></tr> <tr><td>R39E</td><td>R40E</td></tr> <tr><td colspan="2">T47N</td></tr> <tr><td colspan="2">CC</td></tr> </table> <p>2013</p> <p>From this cor., Mile Post No. 177+69 chs. on the Nevada-Oregon State Line, bears N. 88°57'30" E., 8.821 chs. dist., hereinbefore described.</p> <hr/> <p style="text-align: center;">DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISION-OF-SECTION LINES OF SECTION 1, T. 47 N., R. 39 E., MOUNT DIABLO MERIDIAN, NEVADA</p> <hr/> <p style="text-align: center;">Reestablishment of a Portion of the Subdivision Executed by Cadastral Surveyor N.R. Forsyth in 1987</p> <hr/> <p>From the center 1/4 sec. cor. of sec. 1, monumented with an aluminum post, 2 1/2 ins. diam., firmly set, in a mound of stone, 5 ft. base, 16 ins. high, with aluminum cap mkd. as described in the field notes of the survey of the subdivision of sec. 1, executed under Group No. 643.</p> <p>N. 0°19'40" W., on a portion of the N-S center line of sec. 1.</p> <p>Over mountainous land, through scattered sagebrush and cheat grass.</p> <p>7.40 Top of ledge, bears ENE. and WSW.</p> <p>39.101 Point selected for the witness C-80 1/16 sec. cor. of sec. 1.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 16 ins. in the ground, over a plastic-encased magnet, and in a mound of stone, 3 ft. base, to top, with brass cap mkd.</p> <div style="text-align: center;"> <p>WC</p> <p>C</p> <p>↑</p> <p>1/16 S 1</p> <p>80</p> <p>2011</p> </div> <p>40.344 True point for the C-80 1/16 sec. cor. of sec. 1, at proportionate distance; there is no remaining evidence of the 1987 monument set under Group No. 643; falls in East Fork Quinn River flood plain where it is impractical to set a permanent monument.</p> <p>40.90 East Fork Quinn River, 30 lks. wide, 1 ft. deep, course WSW.</p> </div>	S 1	S 6	R39E	R40E	T47N		CC	
S 1	S 6								
R39E	R40E								
T47N									
CC									

DEPENDENT RESURVEY OF
A PORTION OF THE SUBDIVISION-OF-SECTION LINES OF SECTION 1,
T. 47 N., R. 39 E., MOUNT DIABLO MERIDIAN, NEVADA

CHAINS	
43.20	Bladed dirt road, 20 lks. wide, bears ENE. and WSW.
60.50	Barbed wire fence, bears E. and W.
60.516	The C-100 1/16 sec. cor. of sec. 1, monumented with a aluminum post, 2 1/2 ins. diam., firmly set, in a mound of stone, 3 ft. base, 6 ins. high, with aluminum cap mkd. as described in the field notes of the survey of the subdivision of sec. 1, executed under Group No. 643.

	N. 0°25'10" W., beginning new measurement.
16.818	Intersect the Nevada-Oregon State Line. The N 1/4 sec. cor. of sec. 1.

	CORRECTIVE DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISION-OF-SECTION LINES OF SECTION 1, T. 47 N., R. 39 E., MOUNT DIABLO MERIDIAN, NEVADA

	Correction of a Portion of the Subdivision Executed by Cadastral Surveyor N.R. Forsyth in 1987

	From the center 1/4 sec. cor. of sec. 1.
	N. 89°58'30" W., on a portion of the E-W center line of sec. 1.
	Over mountainous land, through scattered sagebrush and cheat grass.
19.951	Point for the C-W 1/16 sec. cor. at proportionate distance. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 8 ins. in the ground, over a plastic-encased magnet, and in a mound of stone, 3 ft. base, to top, with brass cap mkd.
	W 1/16 C-----C S 1
	2012
	From this cor., the 1987 C-W 1/16 sec. cor. of sec. 1, monumented with an aluminum post, 2 1/2 ins. diam., firmly set, projecting 4 ins. above a mound of stone, 3 ft. base, 6 ins. high, with aluminum cap mkd. as described in the field notes of the subdivision of sec. 1, executed under Group No. 643, bears N. 0°03'40" W., 0.411 chs. dist. This position was erroneously monumented, and no longer functions as the C-W 1/16 sec. cor. of sec. 1. Remove the original markings and add the marks AM to the aluminum cap, invert and bury in place.
35.60	East Fork Quinn River, 30 lks. wide, 1 ft. deep, drains SSW.

CORRECTIVE DEPENDENT RESURVEY OF
A PORTION OF THE SUBDIVISION-OF-SECTION LINES OF SECTION 1,
T. 47 N., R. 39 E., MOUNT DIABLO MERIDIAN, NEVADA

CHAINS	
39.902	<p>The 1/4 sec. cor. of secs. 1 and 2, monumented with an aluminum post, 2 1/2 ins. diam., firmly set, in a mound of stone, 3 ft. diam., 12 ins. high, with aluminum cap mkd. as described in the field notes of the dependent resurvey of the subdivisional lines of secs. 1 and 2, executed under Group No. 643.</p> <hr/> <p>From the C-W 1/16 sec. cor. of sec. 1.</p> <p>N. 0°19'00" W., on the N-S center line of the NW1/4 of sec. 1.</p> <p>Over mountainous land, through scattered sagebrush and cheat grass.</p>
23.50	East Fork Quinn River, 30 lks. wide, 1 ft. deep, drains W.
26.40	Bladed dirt road, 20 lks. wide, bears E. and W.
33.40	Draw, drains SE.
40.27	Barbed wire fence, bears E. and W.
40.302	<p>The W 80 1/16 sec. cor. of sec. 1, determined by Steven W. Bell, Nevada Professional Land Surveyor No. 19225, as shown on an unrecorded preliminary survey plat titled "RECORD OF SURVEY, EAST FORK OF THE QUINN RIVER NATIONAL FOREST BOUNDARIES", obtained from Mr. Bell during the course of this resurvey, monumented with a Forest Service aluminum post, 2 1/2 ins. diam., firmly set, in a mound of stone, 3 ft. base, 10 ins. high, with aluminum cap mkd. T47N R39E W 80 1/16 S1 2010. This is accepted as a careful and faithful determination of the position of the corner.</p> <hr/> <p>N. 0°18'40" W., beginning new measurement.</p>
19.90	Draw, drains SW.
20.139	<p>The W 100 1/16 sec. cor. of sec. 1, monumented with an aluminum post, 2 1/2 ins. diam., firmly set, in a mound of stone, 3 ft. base, 8 ins. high, with aluminum cap mkd. as described in the field notes of the subdivision of sec. 1, executed under Group No. 643.</p> <hr/> <p>N. 0°20'40" W., beginning new measurement.</p>
16.522	<p>Intersect the Nevada-Oregon State Line.</p> <p>The W 1/16 sec. cor. of sec. 1.</p> <hr/> <p>From the true point for the C-80 1/16 sec. cor. of sec. 1.</p> <p>S. 89°54'00" W., on the 80 1/16 sec. line of the NW1/4 of sec. 1.</p>

CORRECTIVE DEPENDENT RESURVEY OF
A PORTION OF THE SUBDIVISION-OF-SECTION LINES OF SECTION 1,
T. 47 N., R. 39 E., MOUNT DIABLO MERIDIAN, NEVADA

CHAINS	Over mountainous land, through scattered sagebrush and cheat grass.
0.80	East Fork Quinn River, 30 lks. wide, 1 ft. deep, course WSW.
3.50	Bladed dirt road, 20 lks. wide, bears ENE. and WSW.
17.371	The 1987 position for the W 80 1/16 sec. cor. of sec. 1, monumented with an aluminum post, 2 1/2 ins. diam., firmly set, projecting 12 ins. above the ground, and in a mound of stone, 4 ft. base, to top, with aluminum cap mkd. as described in the field notes of the survey of the subdivision of sec. 1, executed under Group No. 643. This position was erroneously established and has no further function. Add the marks AM to the aluminum cap, invert the post and bury in place.
19.90	Barbed wire fence, bears N. and S.
19.941	The W 80 1/16 sec. cor. of sec. 1. <hr style="width: 20%; margin: 10px auto;"/>
	S. 89°54'00" W., beginning new measurement.
6.90	Draw, drains SSE.
19.937	The 80 1/16 sec. cor. of secs. 1 and 2, monumented with an aluminum post, 2 1/2 ins. diam., firmly set, in a mound of stone, 8 ft. base, 16 ins. high, with aluminum cap mkd. as described in the field notes of the subdivision of sec. 1, executed under Group No. 643. Cor. is located 6 lks. NW. of a cor. of fences extending S. and E. <hr/>
	GENERAL DESCRIPTION
	The area resurveyed within Township 47 North, Range 39 East, is mountainous. The elevation ranges from about 4900 feet to about 6000 feet above sea level. The soil is sandy clay loam in the lower elevations to rocky in the higher elevations. The vegetation consists of sagebrush and cheat grass. East Fork Quinn River crosses the area in a southwesterly course. The area is used by ranchers for cattle grazing. No mineral formations of consequence were noted during the survey. <hr/>

UNITED STATES
DEPARTMENT OF INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

Brandon G. Courtright	Surveying Technician
Cathy M. Schmursal	Survey Aid
Matthew R. Weller	Survey Aid

CERTIFICATE OF SURVEY

I, Don R. Aschenbach, Cadastral Surveyor, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 19th day of July, 2011, and supplemental special instructions bearing the date of the 17th day of June, 2013, I have dependently resurveyed the Nevada-Oregon State Line, between Mile Post No. 177+69 chs. and Mile Post No. 179, a portion of the east boundary and a portion of the subdivision-of-section lines of section 1, and correctively dependently resurveyed a portion of the subdivision-of-section lines of section 1, Township 47 North, Range 39 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.

FEB 11 2014

Date

Don Ray Aschenbach
Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMEN
Reno, Nevada

The foregoing field notes of the dependent resurvey of the Nevada-Oregon State Line, between Mile Post No. 177+69 chs. and Mile Post No. 179, a portion of the east boundary and a portion of the subdivision-of-section lines of section 1 and the corrective dependent resurvey of a portion of the subdivision-of-section lines of section 1, Township 47 North, Range 39 East, Mount Diablo Meridian, Nevada, executed by Don R. Aschenbach, Cadastral Surveyor, having been critically examined and found correct, are hereby approved.

FEB 11 2014

Date

David D. Morla
Chief Cadastral Surveyor for Nevada

~~CERTIFICATE OF TRANSCRIPT~~

~~I CERTIFY that the foregoing transcript of the field notes of the above described surveys in T. 47 N., R. 39 E., Mount Diablo Meridian, Nevada, is a true copy of the original field notes.~~

~~_____~~
Date

~~_____~~
Chief Cadastral Surveyor for Nevada