

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

Original

FIELD NOTES

OF THE

SURVEY

OF

A PORTION OF THE SOUTH BOUNDARY

AND

A PORTION OF THE SUBDIVISIONAL LINES

OF

TOWNSHIP 5 NORTH, RANGE 57 EAST,

OF THE MOUNT DIABLO MERIDIAN,

IN THE STATE OF NEVADA

EXECUTED BY

W. William Foster, Cadastral Surveyor (U.S.F.S.)

Under Special Instructions dated August 18, 2008,

and approved August 18, 2008,

which provided for the surveys included under Group No. 870,

and Assignment Instructions dated August 18, 2008.

Survey commenced August 27, 2008

Survey completed January 20, 2010

INDEX DIAGRAM

TOWNSHIP 5 NORTH, RANGE 57 EAST, MOUNT DIABLO MERIDIAN, NEVADA

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## TOWNSHIP 5 NORTH, RANGE 57 EAST, MOUNT DIABLO MERIDIAN, NEVADA

CHAINS

The following field notes are those of the survey of a portion of the south boundary and a portion of the subdivisional lines of Township 5 North, Range 57 East, Mount Diablo Meridian, Nevada.

The north boundary (First Standard Parallel North) was surveyed by U.S. Deputy Surveyor E.B. Monroe in 1871 under Contract No. 42. A portion of the north boundary was dependently resurveyed and the west boundary was surveyed by U.S. Surveyor E.R. Bunbury in 1916 under Group No. 41. Other surveys remote to this area are not included.

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. 870, dated August 18, 2008.

Measurements were made with Trimble 5700 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 (CORS 96) geographic position of the southwest corner of the township as determined from GPS static observations processed by the National Geodetic Survey, Online Positioning User Service (OPUS), utilizing Continuous Operating Reference Stations (CORS) RAIL RAILROAD VALLEY CORS ARP, EGAN BRGN NV1996 CORS ARP and ECHO BRGN NV1999 CORS ARP, in 2008, and carried forward by RTK observations is as follows:

Latitude: 38°14'26.128" N.                      Longitude: 115°37'10.692" W.

The mean magnetic declination of 13°06' E. was derived from the National Geophysical Data Center's (NGDC) on-line declination calculator, utilizing the latest International Geomagnetic Reference Field (IGRF) model for the dates of the survey.

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SURVEY OF A PORTION OF THE SOUTH BOUNDARY,  
T. 5 N., R. 57 E., MOUNT DIABLO MERIDIAN, NEVADA

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Beginning at the cor. of Tps. 4 and 5 N., Rs. 56 and 57 E., monumented with an iron post, 3 ins. diam., firmly set, projecting 8 ins. above the ground, with brass cap mkd. as described in the field notes of T. 5 N., R. 56 E., executed under Group No. 41, from which the original bearing trees

A pinon pine, 12 ins. diam., bears N. 61° E.,  
116 lks. dist., with scribe marks T5NR57ES31BT  
visible on partially healed blaze. (Record,  
N. 61°10' E., 1.15 chs.)

SURVEY OF A PORTION OF THE SOUTH BOUNDARY,  
T. 5 N., R. 57 E., MOUNT DIABLO MERIDIAN, NEVADA

CHAINS	<p>A pinon pine, 17 ins. diam., bears S. 51° E., 188 lks. dist., with scribe marks T4NR57ES6BT visible on partially healed blaze. (Record, S. 51°10' E., 1.87 chs.)</p> <p>A pinon pine, 12 ins. diam., bears S. 10° W., 38 lks. dist., with scribe marks T4NR56ES1BT visible on partially healed blaze. (Record, S. 10°35' W., 31 1/2 lks.)</p> <p>A pinon pine, 10 ins. diam., bears N. 77° W., 25 lks. dist., with scribe marks T5NR56ES36BT visible on partially healed blaze. (Record, N. 77°50' W., 24 lks.)</p> <p>Add the marks 2008 on the brass cap.</p> <p>East, on the S. bdy. of sec. 31.</p> <p>Over rolling mountainous land, through medium growth of cedars and pinon pine and light undergrowth.</p>
40.000	<p>Point for the 1/4 sec. cor. of sec. 31 only.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 15 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> <p style="text-align: center;">T5N R57E 1/4 S31 <hr style="width: 50px; margin: 0 auto;"/></p> <p style="text-align: center;">2008</p> <p>from which</p> <p style="padding-left: 40px;">A pinon pine, 4 ins. diam., bears N. 63° E., 46 lks. dist., mkd. X at breast height and BT at the base.</p> <p style="padding-left: 40px;">A cedar, 10 ins. diam., bears N. 54 1/4° W., 8 lks. dist., mkd. 1/4 S31 BT.</p> <p>Set 6 ft. aluminum post with Survey Monument sign attached E. of cor.</p>
47.15	<p>4 strand barbed wire fence, bears S. 60° E. and N. 60° W.</p>
65.20	<p>Top of ascent, slopes N.</p>
80.000	<p>Point for the cor. of secs. 31 and 32 only.</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> <p style="text-align: center;">T5N R57E S31   S32 <hr style="width: 50px; margin: 0 auto;"/></p> <p style="text-align: center;">2008</p>

SURVEY OF A PORTION OF THE SOUTH BOUNDARY,  
T. 5 N., R. 57 E., MOUNT DIABLO MERIDIAN, NEVADA

CHAINS	<p>from which</p> <p style="padding-left: 40px;">A pinon pine, 10 ins. diam., bears N. 65° E., 41 lks. dist., mkd. T5NR57ES32BT.</p> <p style="padding-left: 40px;">A pinon pine, 4 ins. diam., bears N. 52° W., 44 lks. dist., mkd. X at breast height and BT at the base.</p> <p>Set 6 ft. aluminum post with Survey Monument sign attached S. of cor.</p> <p>Cor. located on N. slope.</p> <p>Land, mountainous. Soil, stony, limestone 4th rate. Timber, cedar and pinon pine; undergrowth, sagebrush and grasses.</p> <hr/> <p>East, on the S. bdy. of sec. 32.</p> <p>Over rolling mountainous land, through medium growth of cedar and pinon pine and light undergrowth.</p> <p>10.00 Dirt road, 18 lks. wide, bears N. 15° E. and S. 5° W.</p> <p>11.45 Ox Spring Wash, 70 lks. wide, drains N.</p> <p>36.80 Dirt road, 15 lks. wide, bears S. 60° E. and N. 60° W.</p> <p>40.000 Point for the 1/4 sec. cor. of sec. 32 only.</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, and in a collar of stone, with brass cap mkd.</p> <p style="text-align: center;">T5N R57E 1/4 S32 <hr style="width: 10%; margin: auto;"/>2008</p> <p>from which</p> <p style="padding-left: 40px;">A pinon pine, 4 ins. diam., bears N. 84° E., 7 lks. dist., mkd. X at breast height and BT at the base.</p> <p>Set 6 ft. aluminum post with Survey Monument sign attached E. of cor.</p> <p>80.000 Point for the cor. of secs. 32 and 33 only.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 20 ins. in the ground, over a plastic-encased magnet, and in a collar of stone, with brass cap mkd.</p>
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SURVEY OF A PORTION OF THE SOUTH BOUNDARY,  
T. 5 N., R. 57 E., MOUNT DIABLO MERIDIAN, NEVADA

CHAINS	<p style="text-align: center;">T5N R57E S32   S33</p>
	2008
	<p>from which</p> <p style="padding-left: 40px;">A pinon pine, 8 ins. diam., bears N. 76 3/4° E., 55 lks. dist., mkd. T5NR57ES33BT.</p> <p style="padding-left: 40px;">A pinon pine, 4 ins. diam., bears N. 67 1/2° W., 18 lks. dist., mkd. X at breast height and BT at the base.</p> <p>Set 6 ft. aluminum post with Survey Monument sign attached N. of cor.</p> <p>Land, mountainous. Soil, stony, limestone 4th rate. Timber, cedar and pinon pine; undergrowth, grasses.</p> <hr/> <p style="text-align: center;">SURVEY OF A PORTION OF THE SUBDIVISIONAL LINES, T. 5 N., R. 57 E., MOUNT DIABLO MERIDIAN, NEVADA</p> <hr/> <p>From the cor. of secs. 32 and 33, on the S. bdy. of the Tp., hereinbefore described.</p> <p>N. 0°02'40" W., bet. secs. 32 and 33.</p> <p>Over rolling mountainous land, through medium growth of pinon pine and cedar, and light undergrowth.</p> <p>12.20 Ridge, bears S. 55° E. and N. 55° W.; desc. over N. slope.</p> <p>24.60 Dry wash, 15 lks. wide, 5 ft. deep, drains N. 75° W.</p> <p>40.000 Point for the 1/4 sec. cor. of secs. 32 and 33.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 18 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> <p style="text-align: center;">T5N R57E 1/4 S32   S33</p> <p style="text-align: center;">2008</p> <p>from which</p> <p style="padding-left: 40px;">A pinon pine, 4 ins. diam., bears N. 47 1/2° E., 28 lks. dist., mkd. X at breast height and BT at the base.</p> <p style="padding-left: 40px;">A pinon pine, 8 ins. diam., bears N. 72 1/4° W., 21 lks. dist., mkd. 1/4 S32 BT.</p> <p>Set 6 ft. aluminum post with Survey Monument sign attached S. of cor.</p>

SURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,  
T. 5 N., R. 57 E., MOUNT DIABLO MERIDIAN, NEVADA

CHAINS							
52.55	Dry wash, 60 lks. wide, 3 ft. deep, drains N. 50° W.						
80.000	Point for the cor. of secs. 28, 29, 32 and 33.  Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, over a plastic-encased magnet, and in a collar of stone, with brass cap mkd.  <div style="text-align: center;"> <table border="1"> <tr><td>T5N</td><td>R57E</td></tr> <tr><td>S29</td><td>S28</td></tr> <tr><td>S32</td><td>S33</td></tr> </table> <p>2008</p> </div> Set 6 ft. aluminum post with Wilderness and Survey Monument sign attached W. of cor.  Land, mountainous. Soil, stony, limestone 4th rate. Timber, cedar and pinon pine; undergrowth, grasses.	T5N	R57E	S29	S28	S32	S33
T5N	R57E						
S29	S28						
S32	S33						
	<hr/> From the cor. of secs. 31 and 32, on the S. bdy. of the Tp., hereinbefore described.  N. 0°03'30" W., bet. secs. 31 and 32.  Over rolling mountainous land, through medium growth of pinon pine and cedar, and light undergrowth.						
40.000	Point for the 1/4 sec. cor. of secs. 31 and 32.  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.  <div style="text-align: center;"> <table border="1"> <tr><td>T5N</td><td>R57E</td></tr> <tr><td>1/4</td><td></td></tr> <tr><td>S31</td><td>S32</td></tr> </table> <p>2008</p> </div> from which  A pinon pine, 4 ins. diam., bears N. 37 3/4° E., 17 lks. dist., mkd. X at breast height and BT at the base.  A pinon pine, 10 ins. diam., bears N. 83 3/4° W., 56 lks. dist., mkd. 1/4 S31 BT.  Set 6 ft. aluminum post with Survey Monument sign attached S. of cor.	T5N	R57E	1/4		S31	S32
T5N	R57E						
1/4							
S31	S32						
70.05	Dirt road, 18 lks. wide, bears N. 40° W. and S. 40° E., in Ox Spring Wash, 75 lks. wide, drains N. 40° W.						
79.00	Spur, slopes NW.						
80.000	Point for the cor. of secs. 29, 30, 31 and 32.						

SURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,  
T. 5 N., R. 57 E., MOUNT DIABLO MERIDIAN, NEVADA

CHAINS	<p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 18 ins. in the ground, over a plastic-encased magnet, and in a collar of stone, with brass cap mkd.</p> <div style="text-align: center; margin: 10px 0;"> <table style="margin: auto; border-collapse: collapse;"> <tr> <td style="padding: 0 5px;">T5N</td> <td style="padding: 0 5px;">R57E</td> </tr> <tr> <td style="padding: 0 5px; border-right: 1px solid black;">S30</td> <td style="padding: 0 5px;">S29</td> </tr> <tr> <td style="padding: 0 5px; border-right: 1px solid black;">S31</td> <td style="padding: 0 5px;">S32</td> </tr> </table> </div> <p style="text-align: center; margin: 10px 0;">2008</p> <p>Set 6 ft. aluminum post with Survey Monument sign attached S. of cor.</p> <p>Land, mountainous. Soil, stony, limestone 4th rate. Timber, cedar and pinon pine; undergrowth grasses.</p> <hr style="width: 80%; margin: 10px auto;"/> <p>From the cor. of secs. 28, 29, 32 and 33.</p> <p>West, bet. secs. 29 and 32.</p> <p>Along the Grant Range Wilderness Boundary, over rolling mountainous land, through medium growth of pinon pine and cedar, and light undergrowth.</p> <p>0.09      4 strand barbed wire fence, bears N. and S.</p> <p>0.55      Dry wash, 30 lks. wide, 10 ft. deep, drains N. 25° W.</p> <p>1.30      Spur, slopes NW.</p> <p>17.30     Dry wash, 30 lks. wide, 5 ft. deep, drains N. 25° W.</p> <p>24.30     Dry wash, 30 lks. wide, 4 ft. deep, drains N. 60° W.</p> <p>30.65     Dirt road, bears SE. and NW.</p> <p>40.000    Point for the 1/4 sec. cor. of secs. 29 and 32.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 13 ins. in the ground, over a plastic-encased magnet, and in a mound of stone, 4 ft. base, to top, with brass cap mkd.</p> <div style="text-align: center; margin: 10px 0;"> <table style="margin: auto; border-collapse: collapse;"> <tr> <td style="padding: 0 5px;">T5N</td> <td style="padding: 0 5px;">R57E</td> </tr> <tr> <td style="padding: 0 5px;"></td> <td style="padding: 0 5px;">S29</td> </tr> <tr> <td style="padding: 0 5px;">1/4</td> <td style="padding: 0 5px;">—</td> </tr> <tr> <td style="padding: 0 5px;"></td> <td style="padding: 0 5px;">S32</td> </tr> </table> </div> <p style="text-align: center; margin: 10px 0;">2008</p> <p>from which</p> <p style="margin-left: 40px;">A pinon pine, 8 ins. diam., bears N. 12° W., 27 lks. dist., mkd. 1/4 S29 BT.</p> <p>Set 6 ft. aluminum post with Wilderness and Survey Monument sign attached E. of cor.</p> <p>Begin gradual descent.</p>	T5N	R57E	S30	S29	S31	S32	T5N	R57E		S29	1/4	—		S32
T5N	R57E														
S30	S29														
S31	S32														
T5N	R57E														
	S29														
1/4	—														
	S32														



SURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,  
T. 5 N., R. 57 E., MOUNT DIABLO MERIDIAN, NEVADA

CHAINS	
50.65	Top of E. bank of large dry wash, drains NW.
53.94	Toe of E. bank, dry wash.
59.00	Toe of W. bank, dry wash.
60.22	Top of W. bank, dry wash.
60.395	<p>Point for a witness point at an angle point in the Grant Range Wilderness Boundary, determined westerly approximately 4,000 feet along the north boundary of sec. 32, at elevation 6,200 feet. Wilderness Boundary changes direction to S. 25° W.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam. 14 ins. in the ground to bedrock, and in a mound of stone, 3 ft. base to top, with a brass cap mkd.</p> <p style="text-align: center;">WP T5N R57E S29 ——— S32  2010</p> <p>Set 6 ft. aluminum post with Wilderness and Survey Monument sign attached W. of witness point.</p>
63.35	Top of E. bank, dry wash drains NW.
64.65	Toe of E. bank, dry wash.
80.000	<p>The cor. of secs. 29, 30, 31 and 32.</p> <p>Land, mountainous. Soil, stony, limestone 4th rate. Timber, cedar and pinon pine; undergrowth, grasses.</p>
GENERAL DESCRIPTION	
<p>This survey is located approximately 70 miles south from Ely, Nevada. Access is provided by driving South on highway 6 for 52 miles to the town of Currant, then continuing 10 mile to the turn off of a dirt road. The road intersects Railroad Valley Road. Turn south on Railroad Valley Road and travel 25 miles to Forest Road 410, turn left and go approximately 5 miles to the Quinn Canyon/Grant Canyon Wilderness. Homestead entry No. 61 is located in section 31.</p>	
<p>The elevation varies from 5500 to 7500 feet above sea level. The terrain varies from level to rolling, mountainous and broken. The vegetation consists of pinon pine, cedar, sagebrush and grasses. The soil is mostly rocky, consisting of limestone and quartz. Considered 4th rate. Drainage is to the Northwest.</p>	
<p>No mineral formations of consequence were noted during the survey.</p>	

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

Terry W. Kessel	Senior Surveying Technician
Carlos Tavares	Surveying Technician

CERTIFICATE OF SURVEY

I, W. William Foster, Cadastral Surveyor (U.S.F.S.), HEREBY CERTIFY upon honor that, in pursuance of Special Instructions bearing date of the 18th day of August, 2008, I have surveyed a portion of the south boundary and a portion of the subdivisional lines of Township 5 North, Range 57 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.

February 11, 2010  
(Date)

W. William Foster  
(Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT  
Reno, Nevada

The foregoing field notes of the survey of a portion of the south boundary and a portion of the subdivisional lines of Township 5 North, Range 57 East, Mount Diablo Meridian, Nevada, executed by W. William Foster, Cadastral Surveyor (U.S.F.S.), having been critically examined and found correct, are hereby approved.

February 16, 2010  
(Date)

David J. York  
(Chief Cadastral Surveyor, Nevada)

~~CERTIFICATE OF TRANSCRIPT~~

~~I CERTIFY that the foregoing transcript of the field notes of the above described survey in T. 5 N., R. 57 E., Mount Diablo Meridian, Nevada, is a true copy of the original field notes.~~

~~\_\_\_\_\_  
(Date)~~

~~\_\_\_\_\_  
(Chief Cadastral Surveyor, Nevada)~~