

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 WEST BOUNDARY

AND

A PORTION OF THE SUBDIVISIONAL LINES,

AND THE SUBDIVISION OF SECTION 31,

TOWNSHIP 18 NORTH, RANGE 39 EAST,

OF THE MOUNT DIABLO MERIDIAN,

IN THE STATE OF NEVADA

EXECUTED BY

Thomas E. Casinger, Cadastral Surveyor

Under Special Instructions dated July 21, 1999,

and approved July 21, 1999,

which provided for the surveys included under Group No. 785,

and Assignment Instructions dated July 21, 1999.

Survey commenced July 21, 1999

Survey completed March 5, 2000

INDEX DIAGRAM

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TOWNSHIP 18 NORTH, RANGE 39 EAST

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Subdivision of Section 31.....PP 7-8.

TOWNSHIP 18 NORTH, RANGE 39 EAST, MOUNT DIABLO MERIDIAN, NEVADA

CHAINS

The following field notes are those of the dependent resurvey of a portion of the south boundary, a portion of the west boundary and a portion of the subdivisional lines, and the subdivision of section 31, Township 18 North, Range 39 East, Mount Diablo Meridian, Nevada.

The exterior boundaries of the township and a portion of the subdivisional lines were surveyed by U.S. Deputy Surveyors D.H. Barker and E.C. McClellan in 1879, under Contract No. 89. A portion of the north boundary was dependently resurveyed by U.S. Cadastral Engineer G.W. Ridgway in 1929, under Group No. 116. The south boundary was dependently resurveyed by Cadastral Surveyor A.D. Griffin in 1963, under Group No. 416.

Before restoring the corners, the lines of the original surveys were retraced and 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 as set forth in the Manual of Surveying Instructions, 1973, and Special Instructions dated July 21, 1999.

The direction of the lines of this survey were determined by use of Global Positioning System (GPS) receivers, using the real-time kinematic survey process and refer to the true meridian based on geodetic methods.

The geographic position for the cor. of secs. 31 and 32 only, on the S. bdy. of the Tp. is at Lat. $39^{\circ} 22' 25.852''$ N., Long. $117^{\circ} 37' 33.834''$ W. NAD 83 (1994), as measured from National Geodetic Survey control (formerly U.S.C. & G.S. triangulation) station "Smith", located in sec. 34.

The mean magnetic declination is 17° E., as shown on U.S.G.S. quadrangle map "BASQUE SUMMIT, NEV" dated 1969.

DEPENDENT RESURVEY OF A PORTION OF THE SOUTH BOUNDARY,
T. 18 N., R. 39 E., MOUNT DIABLO MERIDIAN, NEVADA

| CHAINS | | | | | | | | | | | | | | | |
|-----------|--|-----------|-----------|-------|--------|---------|------|--|-----------|-----------|-------|--|----|------|--|
| | <p>Reestablishment of a Portion of the Survey Executed by U.S. Deputy Surveyors D.H. Barker and E.C. McClellan in 1879, and a Portion of the Dependent Resurvey Executed by Cadastral Surveyor A.D. Griffin in 1963-65.</p> <hr/> <p>From the cor. of secs. 31 and 32 only, on the S. bdy. of the Tp., monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 20 ins. above the ground, in a collar of stone, with brass cap erroneously mkd.</p> <div style="text-align: center;"> <table border="1"> <tr><td>T18N R39E</td></tr> <tr><td>S31 S32</td></tr> <tr><td colspan="2"><hr/></td></tr> <tr><td>S6 S5</td></tr> <tr><td colspan="2">T17N</td></tr> </table> <p>1963</p> </div> <p>Remark the brass cap to read</p> <div style="text-align: center;"> <table border="1"> <tr><td>T18N R39E</td></tr> <tr><td>S31 S32</td></tr> <tr><td colspan="2"><hr/></td></tr> <tr><td>S6</td></tr> <tr><td colspan="2">T17N</td></tr> </table> <p>1999 1963</p> </div> <p>From this cor., National Geodetic Survey control (formerly U.S.C. & G.S. triangulation) station "Smith" bears N. 68°53'22" E., 206.431 chs. dist., monumented with a standard U.S.C. & G.S. disk, 3 1/2 ins. diam., firmly cemented in a drill hole in bedrock, with top mkd. SMITH 1954.</p> <p>S. 88°57'50" W., on the S. bdy. of sec. 31.</p> <p>Over mountainous terrain.</p> | T18N R39E | S31 S32 | <hr/> | | S6 S5 | T17N | | T18N R39E | S31 S32 | <hr/> | | S6 | T17N | |
| T18N R39E | | | | | | | | | | | | | | | |
| S31 S32 | | | | | | | | | | | | | | | |
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| S6 S5 | | | | | | | | | | | | | | | |
| T17N | | | | | | | | | | | | | | | |
| T18N R39E | | | | | | | | | | | | | | | |
| S31 S32 | | | | | | | | | | | | | | | |
| <hr/> | | | | | | | | | | | | | | | |
| S6 | | | | | | | | | | | | | | | |
| T17N | | | | | | | | | | | | | | | |
| 36.364 | <p>From this point the 1/4 sec. cor. of sec. 6 only, T. 17 N., R. 39 E., bears South, 0.5 lks. dist., monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 20 ins. above the ground, in a collar of stone, with brass cap mkd.</p> <div style="text-align: center;"> <table border="1"> <tr><td>T18N R39E</td></tr> <tr><td colspan="2"><hr/></td></tr> <tr><td>1/4 S6</td></tr> <tr><td colspan="2">T17N</td></tr> </table> <p>1964</p> </div> | T18N R39E | <hr/> | | 1/4 S6 | T17N | | | | | | | | | |
| T18N R39E | | | | | | | | | | | | | | | |
| <hr/> | | | | | | | | | | | | | | | |
| 1/4 S6 | | | | | | | | | | | | | | | |
| T17N | | | | | | | | | | | | | | | |
| 39.122 | <p>The 1/4 sec. cor. of sec. 31 only, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 11 ins. above the ground, in a collar of stone, with brass cap erroneously mkd.</p> | | | | | | | | | | | | | | |

DEPENDENT RESURVEY OF A PORTION OF THE SOUTH BOUNDARY,
T. 18 N., R. 39 E., MOUNT DIABLO MERIDIAN, NEVADA

| CHAINS | |
|--------|--|
| | <p style="text-align: center;">T18N R39E S31 1/4 <u> </u> S6 T17N 1963</p> |
| | <p>Remark the brass cap to read</p> <p style="text-align: center;">T18N R39E 1/4 S31 <u> </u> T17N 1999 1963</p> <hr/> |
| | <p>S. 88°56'20" W., beginning new measurement.</p> |
| 37.547 | <p>The closing cor. of Tps. 17 N., Rs. 38 and 39 E., bears South, 1.1 lks. dist., monumented with an iron post, 2 1/2 ins. diam., loosely set, projecting 20 ins. above the ground, in a collar of stone, with brass cap mkd.</p> <p style="text-align: center;">T18N R39E S31 <u> </u> S1 S6 T17N R38E R39E CC 1967</p> |
| 39.602 | <p>The cor. of Tps. 18 N., Rs. 38 and 39 E., monumented with an iron post, 2 1/2 ins. diam., loosely set, projecting 20 ins. above the ground, in a collar of stone, with brass cap erroneously mkd.</p> <p style="text-align: center;">T18N R38E R39E S36 S31 <u> </u> S1 S6 T17N 1963</p> <p>Rebuild the collar of stone and remark the brass cap to read</p> <p style="text-align: center;">T18N R38E R39E S36 S31 <u> </u> S1 T17N 1999 1963</p> <hr/> |

DEPENDENT RESURVEY OF A PORTION OF THE WEST BOUNDARY,
T. 18 N., R. 39 E., MOUNT DIABLO MERIDIAN, NEVADA

| CHAINS | |
|--------|---|
| | <p>Reestablishment of the Survey Executed by U.S. Deputy Surveyors D.H. Barker and E.C. McClellan in 1879.</p> <hr/> <p>From the cor. of Tps. 18 N., Rs. 38 and 39 E., hereinbefore described.</p> <p>N. 2°14'30" W., bet. secs. 31 and 36, on the W. bdy. of the Tp.</p> <p>Over mountainous terrain.</p> |
| 24.50 | Dirt road, 24 lks. wide, bears N. 60° E. and S. 60° W. |
| 28.60 | Creek, 4 lks. wide, course N. 65° E. |
| 42.108 | <p>Point for the 1/4 sec. cor. of secs. 31 and 36, at proportionate distance; there is no remaining evidence of the original corner.</p> <p>Set a brass tablet, 3 1/4 ins. diam., 3 1/2 ins. stem, in drill hole of rock outcrop, encased in concrete, with top mkd.</p> <p style="text-align: center;">T18N 1/4 R38E R39E S36 S31 1999</p> <p>from which</p> <p style="padding-left: 40px;">A Pinon, 4 ins. diam., bears S. 51° W., 11 lks. dist., mkd. X BT.</p> |
| 63.162 | <p>Point for the N 1/16 sec. cor. of secs. 31 and 36.</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 and in a collar of stone, with brass cap mkd.</p> <p style="text-align: center;">N 1/16 S36 S31 1999</p> |
| 75.70 | Smith Creek, 10 lks. wide, course East. |
| 84.216 | <p>The cor. of secs. 25, 30, 31 and 36, perpetuated by Keith N. Meador, Nevada Professional Land Surveyor No. 1004, monumented with a 60d nail set flush with the surface of the ground, in the remains of a concrete encasement; there is no remaining evidence of the iron post as recorded under File No. 35994, Office of the County Clerk and Recorder of the County of Lander, State of Nevada. This is accepted as a careful and faithful perpetuation of the position of the original corner.</p> |

DEPENDENT RESURVEY OF A PORTION OF THE WEST BOUNDARY,
T. 18 N., R. 39 E., MOUNT DIABLO MERIDIAN, NEVADA

| CHAINS | | | | | | | | | | | |
|--------|--|------|--|------|------|-----|-----|-------|--|-----|-----|
| | <p>At the corner point</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 collar of stone, with brass cap mkd.</p> <table style="margin-left: auto; margin-right: auto;"> <tr><td colspan="2">T18N</td></tr> <tr><td>R38E</td><td>R39E</td></tr> <tr><td>S25</td><td>S30</td></tr> <tr><td colspan="2"><hr/></td></tr> <tr><td>S36</td><td>S31</td></tr> </table> <p style="text-align: center;">1999</p> <p>Bury the remains of the concrete encasement alongside the stainless steel post.</p> | T18N | | R38E | R39E | S25 | S30 | <hr/> | | S36 | S31 |
| T18N | | | | | | | | | | | |
| R38E | R39E | | | | | | | | | | |
| S25 | S30 | | | | | | | | | | |
| <hr/> | | | | | | | | | | | |
| S36 | S31 | | | | | | | | | | |
| | <hr/> <p style="text-align: center;">DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES, T. 18 N., R. 39 E., MOUNT DIABLO MERIDIAN, NEVADA</p> <hr/> | | | | | | | | | | |
| | <p style="text-align: center;">Reestablishment of the Survey Executed by U.S. Deputy Surveyors D.H. Barker and E.C. McClellan in 1879.</p> <hr/> | | | | | | | | | | |
| | <p>From the cor. of secs. 31 and 32 only, on the S. bdy. of the Tp., hereinbefore described.</p> <p>N. 2°36'10" W., bet. secs. 31 and 32.</p> <p>Over mountainous terrain.</p> | | | | | | | | | | |
| 42.423 | <p>The 1/4 sec. cor. of secs. 31 and 32, perpetuated by Keith N. Meador, Nevada Professional Land Surveyor No. 1004, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 10 ins. above the ground, in a collar of stone, with brass cap mkd. as shown below, as recorded under File No. 35994, Office of the County Clerk and Recorder of the County of Lander, State of Nevada. This is accepted as a careful and faithful perpetuation of the position of the original corner.</p> <table style="margin-left: auto; margin-right: auto;"> <tr><td colspan="2">1/4</td></tr> <tr><td>S31</td><td>S32</td></tr> </table> <p style="text-align: center;">1958 RLS 1004</p> <hr/> | 1/4 | | S31 | S32 | | | | | | |
| 1/4 | | | | | | | | | | | |
| S31 | S32 | | | | | | | | | | |
| | <p>N. 0°42'10" E., beginning new measurement.</p> | | | | | | | | | | |
| 0.10 | Wire fence, bears E. and W. | | | | | | | | | | |
| 8.00 | Smith Creek, 6 lks. wide, course East. | | | | | | | | | | |
| 9.50 | Dirt road, 24 lks. wide, bears E. and W. | | | | | | | | | | |
| 20.046 | Point for the N 1/16 sec. cor. of secs. 31 and 32. | | | | | | | | | | |

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,
T. 18 N., R. 39 E., MOUNT DIABLO MERIDIAN, NEVADA

| CHAINS | |
|--------|---|
| | <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> <p style="text-align: center;">N 1/16 S31 S32 1999</p> |
| 40.092 | <p>Set a steel fence post alongside stainless steel post.</p> <p>The cor. of secs. 29, 30, 31 and 32, perpetuated by Keith N. Meador, Nevada Professional Land Surveyor No. 1004, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 10 ins. above the ground, in a collar of stone, with a steel fence post alongside, with brass cap mkd. as shown below, as recorded under File No. 35994, Office of the County Clerk and Recorder of the County of Lander, State of Nevada. This is accepted as a careful and faithful perpetuation of the position of the original corner.</p> <p style="text-align: center;">T18N R39E S30 S29 ----- S31 S32 1958 RLS 1004</p> <hr/> <p>N. 89°32'30" W., bet. secs. 30 and 31.</p> <p>Over mountainous terrain.</p> |
| 40.139 | <p>The 1/4 sec. cor. of secs. 30 and 31, perpetuated by Keith N. Meador, Nevada Professional Land Surveyor No. 1004, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 11 ins. above the ground, in a collar of stone, with brass cap mkd. as shown below, as recorded under File No. 35994, Office of the County Clerk and Recorder of the County of Lander, State of Nevada. This is accepted as a careful and faithful perpetuation of the position of the original corner.</p> <p style="text-align: center;">1958 1/4 S30 ----- 1/4 S31 RE 1004</p> <hr/> |
| 41.414 | <p>S. 89°53'20" W., beginning new measurement.</p> <p>The cor. of secs. 25, 30, 31 and 36, on the W. bdy. of the Tp., hereinbefore described.</p> <hr/> |

SUBDIVISION OF SECTION 31,
T. 18 N., R. 39 E., MOUNT DIABLO MERIDIAN, NEVADA

| CHAINS | |
|--------|--|
| | From the 1/4 sec. cor. of sec. 31 only, on the S. bdy. of the Tp. N. 1°41'30" W., on the N-S center line of sec. 31. Over mountainous terrain. |
| 42.253 | Point for the center 1/4 sec. cor. of sec. 31, at intersection with the E-W center line. 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. T18N R39E C 1/4 S31 1999 |
| 57.25 | Dirt road, 24 lks. wide, and top of dam, bears N. 27° E. and S. 27° W. |
| 57.75 | Enter reservoir, edge bears N. 27° E. and S. 27° W. |
| 62.895 | Point for the C-N 1/16 sec. cor. of sec. 31, falls in reservoir where it is impractical to establish a permanent monument. |
| 64.00 | Leave reservoir, edge bears N. 20° E. and S. 20° W. |
| 69.00 | Dirt road, 24 lks. wide, bears S. 20° E. and N. 20° W. |
| 83.537 | The 1/4 sec. cor. of secs. 30 and 31. <hr/> |
| | From the 1/4 sec. cor. of secs. 31 and 32. S. 88°43'30" W., on the E-W center line of sec. 31. Over mountainous terrain. |
| 38.442 | The center 1/4 sec. cor. of sec. 31. |
| 53.50 | Dirt road, 24 lks. wide, bears N. 15° E. and S. 15° W. |
| 54.00 | Enter reservoir, edge bears N. 15° E. and S. 15° W. |
| 78.442 | The 1/4 sec. cor. of secs. 31 and 36, on the W. bdy. of the Tp. <hr/> |
| | From the N 1/16 sec. cor. of secs. 31 and 32. S. 89° 36'50" W., on the E-W center line of the NE1/4 of sec. 31. Over mountainous terrain. |
| 36.90 | Dirt road, 24 lks. wide, bears N. 40° E. and S. 40° W. |
| 37.015 | Point selected for the witness corner to the C-N 1/16 sec. cor. of sec. 31. 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. |

SUBDIVISION OF SECTION 31,
T. 18 N., R. 39 E., MOUNT DIABLO MERIDIAN, NEVADA

| CHAINS | |
|--------|--|
| | <p style="text-align: center;">WC C ← N 1/16 S31 C</p> <p style="text-align: center;">1999</p> |
| 37.10 | <p>Set a carsonite fence post alongside stainless steel post.</p> <p>Enter reservoir, edge bears N. 40° E. and S. 40° W.</p> |
| 39.286 | <p>True point for the C-N 1/16 sec. cor.</p> <hr/> <p>S. 89°18'20" W., on the E-W center line of the NW1/4 of sec. 31. Over surface of reservoir.</p> |
| 13.60 | <p>Reservoir edge, bears S. 60° E. and N. 60° W., enter mountainous terrain.</p> |
| 13.750 | <p>Point selected for a witness point on the E-W center line of the NW1/4.</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 collar of stone, with brass cap mkd.</p> <p style="text-align: center;">WP S31 N — N</p> <p style="text-align: center;">1999</p> |
| 40.205 | <p>Set a carsonite post alongside the stainless steel post.</p> <p>The N 1/16 sec. cor. of secs. 31 and 36, on the W. bdy. of the Tp.</p> <hr/> <p style="text-align: center;">GENERAL DESCRIPTION</p> <p>The area resurveyed and subdivided within Township 18 North, Range 39 East, varies in terrain from rugged to mountainous. The elevation from about 6,550 to 7,205 feet above sea level. The soil is sandy clay loam and gravel. The vegetation consists of sagebrush, pinons and native grass. The Smith Creek Ranch, with several improvements, is located in the S1/2 of the NE1/4 of sec. 31. A reservoir is located in the western half of sec. 31.</p> <p>Access is by improved gravel roads and trail roads.</p> <hr/> |

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

Clay W. MorrowSurveying Technician

Michael McCainSurvey Aid

CERTIFICATE OF SURVEY

I, Thomas E. Casinger, Cadastral Surveyor, HEREBY CERTIFY upon honor that, in pursuance of Special Instructions bearing date of the 21st day of July, 1999, I have dependently resurveyed a portion of the south boundary, a portion of the west boundary, and a portion of the subdivisional lines, and subdivided section 31, Township 18 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.

11/23/01

(Date)

Thomas E. Casinger
(Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT
Reno, Nevada

The foregoing field notes of dependent resurvey of a portion of the south boundary, a portion of the west boundary and a portion of the subdivisional lines, and the subdivision of section 31, Township 18 North, Range 39 East, Mount Diablo Meridian, Nevada, Mount Diablo Meridian, Nevada, executed by Thomas E. Casinger, Cadastral Surveyor, having been critically examined and found correct, are hereby approved.

12/18/01

(Date)

Robert M. Scungor
(Chief Cadastral Surveyor, Nevada)

~~CERTIFICATE OF TRANSCRIPT~~

~~I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in T. 18 N., R. 39 E., M.D.M., Nevada, is a true copy of the original field notes.~~

~~(Date)~~

~~(Chief Cadastral Surveyor, Nevada)~~