

VOLUME 669

**ORIGINAL**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**FIELD NOTES**

OF THE

DEPENDENT RESURVEY

OF

MINERAL SURVEY NOS. 64 AND 66,  
TOWNSHIP 15 NORTH, RANGE 86 WEST,  
OF THE SIXTH PRINCIPAL MERIDIAN,  
IN THE STATE OF WYOMING.

**EXECUTED BY**

CARL W. SUMPTER (USFS)

SUPERVISORY CADASTRAL SURVEYOR

Under Special Instructions dated July 9, 1996, approved July 11, 1996, which provided for the surveys included under Group Number 626, and assignment instructions dated July 11, 1996.

Survey commenced July 9, 1997

Survey completed July 9, 1998

## T. 15 N., R. 86 W., Sixth Principal Meridian, Wyoming

CHAINS	<p>The following field notes are those of the dependent resurvey of Mineral Survey Numbers 64 and 66, Township 15 North, Range 86 West, of the Sixth Principal Meridian, Wyoming.</p> <p>The history of earlier surveys pertaining to this resurvey is as follows:</p> <p>Charles Bellamy surveyed Mineral Surveys Nos. 64 and 66, Carbonate and Amethyst Lodes, in 1887, as shown on the survey plats approved August 10, 1887 and August 13, 1887.</p> <p>Howard B. Carpenter surveyed the subdivisional lines, T. 15 N., R. 86 W., in 1897, as shown on the survey plat approved June 20, 1899.</p> <p>The survey was executed in accordance with the specifications as set forth in the Manual of Surveying Instructions, 1973, and the Special Instructions for Group No. 626, Wyoming, dated July 9, 1996.</p> <p>Preliminary to the resurvey, the lines of the previous surveys were retraced and diligent search was made for all corners and other calls of the field note record. Identified corners were remonumented in their original positions; lost corners were reestablished and monumented by using record bearings and distances thereby preserving parallel end and side lines, but only after exhausting every possibility of finding direct evidence of such corners. The retracement data were thoroughly verified and only true line field notes are given herein, which refer to the completed survey.</p> <p>The survey was executed by Global Positioning System (GPS) methods using Trimble Navigation Model 4000SSE GPS receivers, RTK methods and a Nikon Top Gun Model DTM A5LG Total Station, serial number 750137. The instruments were maintained in proper adjustment at all times. The directions of all lines refer to the true meridian, based on true geodetic north as determined by GPS observations at various points along the lines of survey and carried forward by GPS methods and sustained angulations.</p> <p>The geographic position (NAD 83/1994) of Cor. No. 1, M.S. No. 64, Carbonate Lode, identical with Cor. No. 1, M.S. No. 66, Amethyst Lode, T. 15 N., R. 86 W., as determined by Global Positioning System (GPS) observations, in static relative positioning mode, controlled by National Geodetic Survey HARN station "Days", is:</p> <p>Latitude 41° 16' 28.3446" N., Longitude 107° 07' 05.33.8402" W.</p>
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## T. 15 N., R. 86 W., Sixth Principal Meridian, Wyoming

CHAINS

The magnetic declination is  $14\frac{1}{2}^{\circ}$  E.

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Dependent Resurvey of Mineral Survey No. 64, Carbonate Lode,  
T. 15 N., R. 86 W., Sixth Principal Meridian, Wyoming

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(Restoring the survey executed by  
Charles Bellamy in 1887)

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Carbonate Lode

Beginning at Cor. No. 1, M.S. No. 64, Carbonate Lode, identical with Cor. No. 1, M.S. No. 66, Amethyst Lode, monumented with the remnants of a wood post in a mound of stone, 2 ft. base, 1 ft. high. Accepted center of mound as the best available evidence of the original cor. position.

from which the original bearing tree,

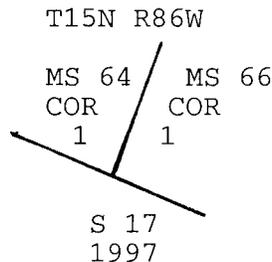
A Limber pine, 22 ins. diam., bears N.  $5^{\circ} 30'$  W., 138.2 lks. dist., marked BT 1/64.

from which the original bearing rock,

A granite boulder, 5x5x3 ft. in place, bears N.  $65^{\circ}$  W., 19.4 lks. dist., no markings visible.

At the corner point

Set an aluminum post, 28 ins. long,  $2\frac{1}{2}$  ins. diam., 22 ins. in the ground, with  $\frac{1}{2}$  ins. rebar set in ground below pipe, in a mound of stone,  $2\frac{1}{2}$  ft. base to top, with magnetic aluminum cap mkd.



The cor. is located on a rocky open SW. facing slope.

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Dependent Resurvey of Mineral Survey No. 64, Carbonate Lode,  
T. 15 N., R. 86 W., Sixth Principal Meridian, Wyoming

CHAINS	
	<p>From this point, USLM "Carbonate" bears S. 33° 43' E., 12.44 chs. dist., monumented with a mound of stone, 5 ft. base, 2 ft. high.; no remains of original wood post or stone were recovered.</p> <p>from which the original bearing tree,</p> <p style="padding-left: 40px;">A Limber pine, 32 ins. diam., bears N. 38° 30' E., 106 lks. dist. with open blaze, no mks. visible.</p> <p>from which the original bearing rock,</p> <p style="padding-left: 40px;">A granite rock, 84x20x36 ins., with 1 in. diam. drill hole (no iron rod) bears N. 81° 30' E., 26 lks. dist., mkd. USLM CARBONATE BR.</p> <p>At the corner point</p> <p>Set an aluminum pipe, 28 ins. long, 2½ ins. diam., on bed rock, in supporting mound of stone, 5 ft. base to top, with magnetic aluminum cap mkd.</p> <p style="text-align: center;">T15N R86W S17 USLM CARBONATE 1997</p> <p>The cor. is located on an open rocky rise.</p> <hr style="width: 30%; margin: 10px auto;"/> <p>From this same point, the cor. of secs. 8, 9, 16 and 17, bears N. 47° 11' E., 39.78 chs. dist., monumented with a granite stone, 14x7x5 ins., firmly set, with 4 notches on S. edge and 4 notches on E. edge,</p> <p>from which the remaining original bearing trees,</p> <p style="padding-left: 40px;">A Douglas fir, 14 ins. diam., bears S. 64° E., 8 lks. dist., mkd. T15N R86W S16 BT. (Record: Pine, 7 lks. dist.)</p> <p style="padding-left: 40px;">A Lodgepole pine, 12 ins. diam., bears N. 59° W., 21 lks. dist., mkd. T15N R86W S8 BT. (Record: 20 lks. dist.)</p> <p>At the corner point</p> <p>Set an aluminum post, 28 ins. long, 2½ ins. diam., 22 ins. in the ground, with magnetic aluminum cap mkd.</p>

Dependent Resurvey of Mineral Survey No. 64, Carbonate Lode,  
T. 15 N., R. 86 W., Sixth Principal Meridian, Wyoming

CHAINS

T15N	R86W
S 8	S 9
S 17	S 16
	1998

from which new bearing trees,

A Lodgepole pine, 11 ins. diam., bears N. 18° E., 12 lks. dist.,  
mkd. T15N R86W S9 BT.

A Douglas fir, 9 ins. diam., bears S. 28° W., 23 lks. dist., mkd.  
T15N R86W S17 BT.

Bury the original stone alongside the aluminum post.

The cor. is located in dense Lodgepole pine timber on level ground.

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From this same point, the cor. of secs. 16, 17, 20 and 21, monumented with a  
granite stone, 13x9x5 ins., firmly set, with 3 notches on S. edge and 4 notches on  
E. edge,

from which the remaining original bearing tree,

A pine 10 ins. diam., bears S. 40° E., 68 lks. dist., mkd. with a  
healed blaze. (Record: S. 41¼° E., 70 lks. dist.)

At the corner point

Set an aluminum post, 28 ins. long, 2½ ins. diam., 18 ins. in the ground, in a  
mound of stone, 2 ft. base to top, with magnetic aluminum cap mkd.

T15N	R86W
S 17	S 16
S 20	S 21
	1998

from which new bearing trees,

A Lodgepole pine, 8 ins. diam., bears N. 76° E., 27 lks. dist.,  
mkd. T15N R86W S16 BT.

A Lodgepole pine, 9 ins. diam., bears S. 19° E., 73 lks.. dist.,  
mkd. T15N R86W S21 BT.

Dependent Resurvey of Mineral Survey No. 64, Carbonate Lode,  
T. 15 N., R. 86 W., Sixth Principal Meridian, Wyoming

<p>CHAINS</p>	<p>A Lodgepole pine, 9 ins. diam., bears S. 50° W., 65 lks. dist., mkd. T15N R86W S20 BT.</p> <p>A Lodgepole pine, 8 ins. diam., bears N. 50° W., 44 lks. dist., mkd. T15N R86W S17 BT.</p> <p>Bury the original stone alongside the aluminum post.</p> <p>The cor. is located in a stand of sparse Lodgepole pine timber on a S. facing slope.</p> <hr/> <p>Thence, N. 32° 00' E., on line 1-2, M.S. No. 64, Carbonate Lode, identical with line 1-2, M.S. No. 66, Amethyst Lode.</p> <p>9.09 Point for Cor. No. 2, M.S. No. 64, Carbonate Lode, identical with Cor. No. 2, M.S. No. 66, Amethyst Lode, determined at record bearing and distance from Cor. No. 1, there is no remaining evidence of the original cor.</p> <p>At the corner point</p> <p>Set an aluminum post, 28 ins. long, 2½ ins. diam., 21 ins. in the ground, with magnetic aluminum cap mkd.</p> <div data-bbox="760 1186 1031 1459" data-label="Diagram"> </div> <p>1997</p> <p>from which new bearing trees,</p> <p>A Lodgepole pine, 12 ins. diam., bears N. 69° E., 35.5 lks. dist., mkd. 2 MS 66 BT.</p> <p>A Lodgepole pine, 14 ins. diam., bears N. 38° W., 54.5 lks. dist., mkd. 2 MS 64 BT.</p> <p>The cor. is located on a N. facing slope in a stand of dense mixed pine, spruce and fir timber.</p> <hr/>
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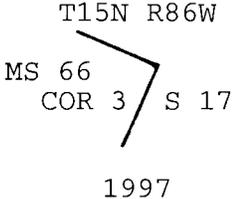
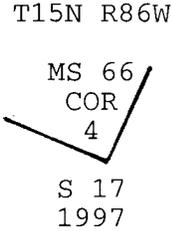
Dependent Resurvey of Mineral Survey No. 64, Carbonate Lode,  
T. 15 N., R. 86 W., Sixth Principal Meridian, Wyoming

CHAINS	
	Thence, N. 58° 19' W., on line 2-3.
21.10	<p>Cor. No. 3, M.S. No. 64, Carbonate Lode, monumented with a mound of stone; there is no remaining evidence of the original wood post. Accepted center of mound as the best available evidence of the original cor. position.</p> <p>from which the original bearing trees,</p> <p>A Lodgepole pine, 14 ins. diam., bears N. 88° E., 30.3 lks. dist., mkd., with partially healed blaze, scribing not legible. (Record: 33.3 lks. dist.)</p> <p>A Lodgepole pine, 11 ins. diam., bears S. 9° W., 10.6 lks. dist., mkd., with partially healed blaze, scribing not legible. (Record: S., 12.9 lks. dist.)</p> <p>At the corner point</p> <p>Set an aluminum post, 28 ins. long, 2½ ins. diam., 24 ins. in the ground, in a mound of stone, 1.5 ft. base to top, with magnetic aluminum cap mkd.</p> <div data-bbox="764 1073 1024 1276" data-label="Diagram"> </div> <p>from which new bearing tree</p> <p>A Lodgepole pine, 8 ins. diam., bears N. 7° E., 18.5 lks. dist., mkd. 3 MS 64 BT.</p> <p>The cor. is located in a dense stand of Lodgepole pine timber on a gentle NW. facing slope.</p> <hr/> <p>Thence, S. 32° 00' W., on line 3-4.</p>
9.09	<p>Point for Cor. No. 4, M.S. No. 64, Carbonate Lode, determined at record bearing and distance from Cor. No. 3, there is no remaining evidence of original cor.</p> <p>At the corner point</p>

Dependent Resurvey of Mineral Survey No. 64, Carbonate Lode,  
T. 15 N., R. 86 W., Sixth Principal Meridian, Wyoming

CHAINS	
	<p>Set an aluminum post, 28 ins. long, 2½ ins. diam., 18 ins. in the ground, in a collar of stone, 2 ft. base, with magnetic aluminum cap mkd.</p> <div data-bbox="776 422 1015 598" style="text-align: center;"> <p>T15N R86W S 17      COR 4                  MS 64                  1997</p> </div> <p>from which new bearing trees,</p> <p style="padding-left: 40px;">A Douglas fir, 6 ins. diam., bears N. 49° E., 26.7 lks. dist., mkd. 4 MS 64 BT.</p> <p style="padding-left: 40px;">An Aspen, 8 ins. diam., bears S. 49° W., 6.4 lks. dist., mkd. 4 MS 64 BT.</p> <p>The cor. is located in a stand of Aspen on a W. facing slope.</p> <hr style="width: 30%; margin-left: auto; margin-right: auto;"/> <p>Thence, S. 58° 19' E., on line 4-1.</p>
21.10	Cor. No. 1, and place of beginning.
	<hr/> <p style="text-align: center;">Dependent Resurvey of Mineral Survey No. 66, Amethyst Lode, T. 15 N., R. 86 W., Sixth Principal Meridian, Wyoming</p> <hr/> <p style="text-align: center;">(Restoring the survey executed by Charles Bellamy in 1887)</p> <hr/> <p style="text-align: center;"><u>Amethyst Lode</u></p>
	<p>From Cor. No. 1, M.S. No. 66, Amethyst Lode, identical with Cor. No. 1, M.S. 64, Carbonate Lode, hereinbefore described.</p> <p>Thence, N. 32° 00' E., on line, 1-2, M.S. No. 66, Amethyst Lode, identical with line 1-2, M.S. No. 64, Carbonate Lode.</p>
9.09	<p>The point for Cor. No. 2, M.S. No. 66, Amethyst Lode, identical with Cor. No. 2, M.S. 64, Carbonate Lode, hereinbefore described.</p> <p>Thence, S. 58° 00' E., on line 2-3.</p>

Dependent Resurvey of Mineral Survey No. 66, Amethyst Lode,  
T. 15 N., R. 86 W., Sixth Principal Meridian, Wyoming

<p>CHAINS 22.73</p>	<p>The point for Cor. No. 3, M.S. 66, Amethyst Lode, determined at record bearing and distance from Cor. No. 2, there was no remaining evidence of the original cor.</p> <p>At the corner point</p> <p>Set an aluminum post, 28 ins. long, 2½ ins. diam., 20 ins. in the ground, in a mound of stone, 1½ ft. base to top, with magnetic aluminum cap mkd.</p> <div style="text-align: center;">  </div> <p>from which new bearing trees,</p> <p>A Lodgepole pine, 10 ins. diam., bears N. 76° E., 160.6 lks. dist., mkd. 3 MS66 BT.</p> <p>A Lodgepole pine, 12 ins. diam., bears N. 30° W., 83.3 lks. dist., mkd. 3 MS66 BT.</p> <p>The cor. is located in an open N.-S. marshy area, North Spring Creek bears EAST, 3.03 chs. dist..</p> <hr style="width: 30%; margin: 10px auto;"/> <p>Thence, S. 32° 00' W., on line 3-4.</p>
<p>9.09</p>	<p>Point for Cor. No. 4, M.S. No. 66, Amethyst Lode, determined at record bearing and distance from Cor. No. 3, there was no remaining evidence of the original cor.</p> <p>At the corner point</p> <p>Set an aluminum post, 28 ins. long, 2½ ins. diam. 24 ins., in the ground, in a mound of stone, 3 ft. base to top, with magnetic aluminum cap mkd.</p> <div style="text-align: center;">  </div>



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**FIELD ASSISTANTS**

NAMES	CAPACITY
Thomas H. Effinger, Jr.	Cadastral Surveyor (USFS)
David A. Kaufman	Surveying Technician
Micheal S. Berry	Surveying Technician

## CERTIFICATE OF SURVEY

I, Carl W. Sumpter, Supervisory Cadastral Surveyor, U.S. Forest Service, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 9th day of July, 1996, I have dependently resurveyed Mineral Survey Numbers 64 and 66, Township 15 North, Range 86 West, of the Sixth Principal Meridian, in the State of Wyoming, 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.

AUG 03 2004

(Date)



(Cadastral Surveyor)

## CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT  
Cheyenne, Wyoming

The foregoing field notes of the dependent resurvey of Mineral Survey Numbers 64 and 66, Township 15 North, Range 86 West, of the Sixth Principal Meridian, in the State of Wyoming, executed by Carl W. Sumpter, Supervisory Cadastral Surveyor, U.S. Forest Service, having been critically examined and found correct, are hereby approved.

AUG 03 2004

(Date)



(Signature of Authorized Officer)