

ORIGINAL

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

OF THE

DEPENDENT RESURVEY OF

PORTIONS OF

THE WEST BOUNDARY AND SUBDIVISIONAL LINES,

AND THE

THE SUBDIVISION OF SECTIONS 19 AND 20,

TOWNSHIP 52 NORTH, RANGE 91 WEST,

OF THE SIXTH PRINCIPAL MERIDIAN,

IN THE STATE OF WYOMING.

EXECUTED BY

JOEL T. EBNER

CADASTRAL SURVEYOR

Under Special Instructions dated APRIL 6, 2000, approved APRIL 6, 2000, which provided for the surveys included under Group Number 672, and assignment instructions dated APRIL 6, 2000.

Survey commenced APRIL 10, 2000

Survey completed MAY 4, 2000

INDEX DIAGRAM

Township 52 North, Range 91 West

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T. 52 N., R. 91 W., Sixth Principal Meridian

CHAINS	<p>The following field notes are those of the dependent resurvey of portions of the west boundary and subdivisional lines, and the subdivision of sections 19 and 20, Township 52 North, Range 91 West, Sixth Principal Meridian, Wyoming.</p> <p>The history of surveys pertaining to this resurvey is as follows:</p> <p>E. A. LaPeire surveyed the west boundary and subdivisional lines in 1883, which was subsequently canceled. Wilford W. Utterback surveyed the private land claims, and independently resurveyed the west boundary and subdivisional lines in 1912.</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. 672, Wyoming, dated April 6, 2000.</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 at proportionate positions based on the latest official record, 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 with TRIMBLE Model 4700 Global Positioning System (GPS) receivers and by chaining methods. The instruments were maintained in proper adjustment at all times. The directions of all lines refer to the true meridian, based on geodetic north, as determined by GPS observations. GPS control network and supporting data are contained in the official group file.</p> <p>The geographic position of the cor. of secs. 20, 21, 28 and 29, base on NAD 83/1993 and determined by Global Positioning System methods is:</p> <p>Latitude 44° 27' 28.04" N., Longitude 107° 48' 07.09" W.</p> <p>The mean magnetic declination is 12½° E.</p> <hr/>
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Dependent Resurvey, Portion of the West Boundary,
T. 52 N., R. 91 W., Sixth Principal Meridian, Wyoming

CHAINS	<p>(Restoring the survey executed by Wilford W. Utterback in 1912)</p> <hr/> <p>Beginning at the cor. of secs. 19, 24, 25 and 30, on the W. bdy. of the Tp., monumented with an iron post, 3 ins. diam., firmly set, projecting 16 ins. above the ground, with undated brass cap mkd.</p> <table style="margin-left: auto; margin-right: auto;"> <tr><td colspan="2" style="text-align: center;">T52N</td></tr> <tr><td style="text-align: center;">S 24</td><td style="text-align: center;">S 19</td></tr> <tr><td colspan="2" style="text-align: center;">-----</td></tr> <tr><td style="text-align: center;">S 25</td><td style="text-align: center;">S 30</td></tr> <tr><td style="text-align: center;">R92W</td><td style="text-align: center;">R91W</td></tr> </table> <p>N. 0° 05' E., bet. secs. 19 and 24</p> <p>Over rolling and broken terrain.</p> <p>39.87 The 1/4 sec. cor. of secs. 19 and 24, monumented with an iron post, 1 in. diam., firmly set, projecting 18 ins. above the ground, with brass cap mkd.</p> <table style="margin-left: auto; margin-right: auto;"> <tr><td style="text-align: center;">S 24 1/4</td><td style="text-align: center;">S 19</td></tr> <tr><td colspan="2" style="text-align: center;">1912</td></tr> </table> <hr/> <p>N. 0° 03' E., beginning new measurement.</p> <p>Over rolling and broken terrain.</p> <p>6.20 North Sheldon Gulch, drains NW.</p> <p>39.68 The witness cor. to the cor. of secs. 13, 18, 19 and 24, monumented with an iron post, 3 ins. diam., firmly set, projecting 10 ins. above the ground, with an embedded mound of stone, 3 ft. base, 1 ft. high, W. of the cor., with undated brass cap mkd.</p> <table style="margin-left: auto; margin-right: auto;"> <tr><td colspan="2" style="text-align: center;">T52N</td></tr> <tr><td style="text-align: center;">S 13</td><td style="text-align: center;">S 18</td></tr> <tr><td colspan="2" style="text-align: center;">-----</td></tr> <tr><td style="text-align: center;">S 24</td><td style="text-align: center;">S 19</td></tr> <tr><td style="text-align: center;">R92W</td><td style="text-align: center;">R91W</td></tr> </table> <p>Re-mark the cap to read</p>	T52N		S 24	S 19	-----		S 25	S 30	R92W	R91W	S 24 1/4	S 19	1912		T52N		S 13	S 18	-----		S 24	S 19	R92W	R91W
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S 24	S 19																								

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1912																									
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R92W	R91W																								

Dependent Resurvey, Portion of the West Boundary,
T. 52 N., R. 91 W., Sixth Principal Meridian, Wyoming

CHAINS	
	WC T52N ↑ S 13 S 18 ———— S 24 S 19 R92W R91W 2000
	Witness cor. is located in fence extending irregularly N. and S. <hr style="width: 20%; margin: 10px auto;"/> N. 0° 03' E., beginning new measurement. Over rolling terrain.
0.20	True point for the cor. of secs. 13, 18, 19 and 24, on the projection of the sec. line from the S., at record dist., falls on S. edge of small gulch, drains NNW., where it is impracticable to establish a permanent monument.
	<hr/> N. 0° 05' E., bet. secs. 13 and 18. Over rolling terrain.
40.00	The 1/4 sec. cor. of secs. 13 and 18, monumented with an iron post, 1 in. diam., firmly set, projecting 17 ins. above the ground, with a steel fence post alongside, with brass cap mkd.
	S 13¼ S 18 1912

Dependent Resurvey, Portion of the Subdivision Lines,
T. 52 N., R. 91 W., Sixth Principal Meridian, Wyoming

CHAINS													
	<p>(Restoring the survey executed by Wilford W. Utterback in 1912)</p> <hr/>												
	<p>From the cor. of secs. 20, 21, 28 and 29, monumented with an iron post, 2 ins. diam., firmly set, projecting 8 ins. above the ground, with brass cap mkd.</p>												
	<table border="0"> <tr><td colspan="2">T52N</td></tr> <tr><td>S 20</td><td>S 21</td></tr> <tr><td colspan="2"><hr/></td></tr> <tr><td>S 29</td><td>S 28</td></tr> <tr><td colspan="2">R91W</td></tr> <tr><td colspan="2">1912</td></tr> </table>	T52N		S 20	S 21	<hr/>		S 29	S 28	R91W		1912	
T52N													
S 20	S 21												
<hr/>													
S 29	S 28												
R91W													
1912													
	<p>N. 0° 01' W., bet. secs. 20 and 21.</p> <p>Over rolling terrain.</p>												
40.00	<p>The 1/4 sec. cor. of secs. 20 and 21, monumented with an iron post, 1 in. diam., firmly set, projecting 12 ins. above the ground, with brass cap mkd.</p>												
	<table border="0"> <tr><td>S 20</td><td>S 21</td></tr> <tr><td colspan="2"><hr/></td></tr> <tr><td>S 20 1/4</td><td>S 21</td></tr> <tr><td colspan="2">1912</td></tr> </table>	S 20	S 21	<hr/>		S 20 1/4	S 21	1912					
S 20	S 21												
<hr/>													
S 20 1/4	S 21												
1912													
	<p>N. 0° 03' W., beginning new measurement.</p> <p>Over rolling terrain.</p>												
39.94	<p>The cor. of secs. 16, 17, 20 and 21, monumented with an iron post, 2 ins. diam., firmly set, projecting 23 ins. above the ground, with a mound of stone, 4 ft. base, 1 ft. high, W. of the cor., with brass cap mkd.</p>												
	<table border="0"> <tr><td colspan="2">T52N</td></tr> <tr><td>S 17</td><td>S 16</td></tr> <tr><td colspan="2"><hr/></td></tr> <tr><td>S 20</td><td>S 21</td></tr> <tr><td colspan="2">R91W</td></tr> <tr><td colspan="2">1912</td></tr> </table>	T52N		S 17	S 16	<hr/>		S 20	S 21	R91W		1912	
T52N													
S 17	S 16												
<hr/>													
S 20	S 21												
R91W													
1912													
	<p>From the cor. of secs. 20, 21, 28 and 29.</p> <p>N. 89° 42' W., bet. secs. 20 and 29.</p> <p>Over rolling terrain.</p>												

Dependent Resurvey, Portion of the Subdivision Lines,
T. 52 N., R. 91 W., Sixth Principal Meridian, Wyoming

CHAINS	
6.20	Red Gulch Road, bears SE. and NW.
39.95	The 1/4 sec. cor. of secs. 20 and 29, monumented with an iron post, 1 in. diam., firmly set, projecting 3 ins. above the ground, with brass cap mkd.
	$\begin{array}{r} S\ 20\ \frac{1}{4} \\ \hline S\ 29 \\ 1912 \end{array}$
	N. 89° 41' W., beginning new measurement.
	Over rolling terrain.
20.00	Point for the W. 1/16 sec. cor. of secs. 20 and 29.
	Set an iron post, 28 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.
	$\begin{array}{r} T52N\ R91W \\ S\ 20 \\ W1/16\ \text{---} \\ S\ 29 \\ 2000 \end{array}$
	Set a fiberglass post alongside the iron post.
40.00	The cor. of secs. 19, 20, 29 and 30, monumented with an iron post, 2 ins. diam., firmly set, projecting 13 ins. above the ground, in a collar of stone, with an embedded mound of stone, 4 ft. base, 1 ft. high, NW. of the cor., with brass cap mkd.
	$\begin{array}{r} T52N \\ S\ 19\ S\ 20 \\ \hline S\ 30\ S\ 29 \\ R91W \\ 1912 \end{array}$
	N. 89° 42' W., bet. secs. 19 and 30.
	Over broken terrain.
20.005	Point for the E. 1/16 sec. cor. of secs. 19 and 30.

Dependent Resurvey, Portion of the Subdivision Lines,
T. 52 N., R. 91 W., Sixth Principal Meridian, Wyoming

CHAINS	
	Set an iron post, 28 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.
	<p style="text-align: center;">T52N R91W S 19 E/16— S 30 2000</p>
	Set a fiberglass post alongside the iron post.
	Cor. is located 20 lks. E. of North Sheldon Gulch, drains NW.
40.01	The 1/4 sec. cor. of secs. 19 and 30, monumented with an iron post, 24 ins. long, 1 in. diam., loosely set 12 ins. in the ground, with brass cap mkd.
	<p style="text-align: center;">S 19 ¼ — S 30 1912</p>
	Reset the iron post 20 ins. in the ground, in a collar of stone.
	N. 89° 46' W., beginning new measurement.
	Over broken terrain.
38.68	The cor. of secs. 19, 24, 25 and 30, on the W. bdy. of the Tp.
	From the cor. of secs. 19, 20, 29 and 30.
	N. 0° 04' E., bet. secs. 19 and 20.
	Over rolling terrain.
20.01	Point for the S. 1/16 sec. cor. of secs. 19 and 20.
	Set an iron post, 28 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.
	<p style="text-align: center;">T52N R91W S1/16 S 19 S 20 2000</p>
	Set a steel fence post alongside the iron post.

Dependent Resurvey, Portion of the Subdivision Lines,
T. 52 N., R. 91 W., Sixth Principal Meridian, Wyoming

CHAINS	
40.02	<p>The 1/4 sec. cor. of secs. 19 and 20, monumented with an iron post, 1 in. diam., firmly set, projecting 12 ins. above the ground, with brass cap mkd.</p>
	<p style="text-align: center;">S 19¼ S 20 1912</p> <hr style="width: 30%; margin: auto;"/>
	<p>N. 0° 04' E., beginning new measurement.</p>
	<p>Over rolling terrain.</p>
32.30	<p>Red Gulch Road, bears SE. and NW.</p>
39.97	<p>The cor. of secs. 17, 18, 19 and 20, monumented with an iron post, 2 ins. diam., firmly set, projecting 14 ins. above the ground, with a steel fence post alongside and a mound of stone, 4 ft. base, 1 ft. high, W. of the cor., with brass cap mkd.</p>
	<p style="text-align: center;">T52N S 18 S 17 ----- S 19 S 20 R91W 1912</p>
	<p>From the cor. of secs. 16, 17, 20 and 21.</p>
	<p>N. 89° 32' W., bet. secs. 17 and 20</p>
	<p>Over rolling terrain.</p>
40.08	<p>The 1/4 sec. cor. of secs. 17 and 20, monumented with an iron post, 1 in. diam., firmly set, projecting 14 ins. above the ground, with brass cap mkd.</p>
	<p style="text-align: center;">S 17 ¼ ----- S 20 1912</p>
	<p>From this point, U. S. Coast and Geodetic Survey Triangulation Station WILD, bears S. 43° 18' E., 11.87 chs. dist., monumented with a concrete post, 12x12 ins. square, firmly set, projecting 6 ins. above the ground, with standard brass disk on top mkd. WILD 1957.</p> <hr style="width: 30%; margin: auto;"/>

Dependent Resurvey, Portion of the Subdivision Lines,
T. 52 N., R. 91 W., Sixth Principal Meridian, Wyoming

CHAINS	
	<p>N. 89° 48' W., beginning new measurement.</p> <p>Over rolling terrain.</p>
39.72	<p>The cor. of secs. 17, 18, 19 and 20.</p> <hr/>
	<p>WEST, bet. secs. 18 and 19.</p> <p>Over rolling terrain.</p>
9.90	<p>Red Gulch Road, bears ESE. and WNW.</p>
39.78	<p>The witness cor. to the 1/4 sec. cor. of secs. 18 and 19, monumented with an iron post, 1 in. diam., loosely set 12 ins. in the ground, with brass cap mkd.</p>
	<p style="text-align: center;">S 18 ½ ————— S 19 1912</p>
	<p>Remonument the witness cor. with an iron post, 28 ins. long, 2½ ins. diam.; set 24 ins. in the ground, with brass cap mkd.</p>
	<p style="text-align: center;">WC T52N R91W S 18 ← 1/4 ——— S 19 2000</p>
	<p>Deposit the 1912 iron post inside the 2000 iron post.</p> <hr/>
	<p>N. 89° 51' W., beginning new measurement.</p> <p>Over broken terrain.</p>
0.15	<p>True point for the 1/4 sec. cor. of secs. 18 and 19, at record bearing and distance from the witness cor., falls on steep slope, where it is impracticable to establish a permanent monument.</p> <hr/>
	<p>N. 89° 48' W., beginning new measurement.</p> <p>Over rolling terrain.</p>

Subdivision of Section 19,
T. 52 N., R. 91 W., Sixth Principal Meridian

CHAINS	
38.75	<p>True point for the cor. of secs. 13, 18, 19 and 24, on the W. bdy. of the Tp.</p> <hr/> <p>From the 1/4 sec. cor. of secs. 19 and 30. N. 0° 07' E., on the N. and S. center line of sec. 19. Over broken terrain.</p>
11.00	North Sheldon Gulch, drains W.
19.96	<p>Point for the center S. 1/16 sec. cor. of sec. 19.</p> <p>Set an iron post, 28 ins. long, 2½ ins. diam., 24 ins. in the ground, in a collar of stone, with brass cap mkd.</p> <p style="text-align: center;">T52N R91W C S1/16 S 19 C 2000</p> <p>Set a fiberglass post alongside the iron post.</p>
39.92	<p>Point for the center 1/4 sec. cor. of sec. 19, at intersection with the E. and W. center line.</p> <p>Set an iron post, 28 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T52N R91W C1/4 S 19 2000</p> <p>Set a fiberglass post alongside the iron post.</p>
79.78	<p>True point for the 1/4 sec. cor. of secs. 18 and 19.</p> <hr/> <p>From the 1/4 sec. cor. of secs. 19 and 20. N. 89° 50' W., on the E. and W. center line of sec. 19. Over rolling and broken terrain.</p>
19.985	Point for the center E. 1/16 sec. cor. of sec. 19.

Subdivision of Section 19,
T. 52 N., R. 91 W., Sixth Principal Meridian

CHAINS	
	Set an iron post, 28 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.
	<p style="text-align: center;">T52N R91W E1/16 C———C S 19 2000</p>
	Set a fiberglass post alongside the iron post.
39.97	The center 1/4 sec. cor. of sec. 19.
72.00	North Sheldon Gulch, drains NNE.
78.67	The 1/4 sec. cor. of secs. 19 and 24, on the W. bdy. of the Tp.
	From the E. 1/16 sec. cor. of secs. 19 and 30.
	N. 0° 06' E., on the N. and S. center line of the SE¼ of sec. 19.
	Over rolling terrain.
19.99	Point for the SE. 1/16 sec. cor. of sec. 19, at intersection with the E. and W. center line of the SE¼.
	Set an iron post, 28 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd.
	<p style="text-align: center;">T52N R91W SE1/16 S 19 2000</p>
	Set a fiberglass post alongside the iron post.
39.98	The center E. 1/16 sec. cor. of sec. 19.
	From the S. 1/16 sec. cor. of secs. 19 and 20.
	N. 89° 46' W., on the E. and W. center line of the SE¼ of sec. 19.
	Over rolling terrain.
19.99	The SE. 1/16 sec. cor. of sec. 19.

Subdivision of Section 20,
T. 52 N., R. 91 W., Sixth Principal Meridian, Wyoming

CHAINS	
39.99	The center S. 1/16 sec. cor. of sec. 19.
	<hr/> From the 1/4 sec. cor. of secs. 20 and 29. N. 0° 08' W., on the N. and S. center line of sec. 20. Over rolling terrain.
20.01	Point for the center S. 1/16 sec. cor. of sec. 20. Set an iron post, 28 ins. long, 2½ ins. diam., 24 ins. in the ground, in a collar of stone, with brass cap mkd. <div style="text-align: center;"> T52N R91W C S1/16 S 20 C 2000 </div> Set a fiberglass post alongside the iron post.
31.50	Red Gulch Road, bears ESE. and WNW.
40.02	Point for the center 1/4 sec. cor. of sec. 20, at intersection with the E. and W. center line. Set an iron post, 28 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd. <div style="text-align: center;"> T52N R91W C1/4 S 20 2000 </div> Set a fiberglass post alongside the iron post.
80.07	The 1/4 sec. cor. of secs. 17 and 20. <hr/> From the 1/4 sec. cor. of secs. 20 and 21. N. 89° 41' W., on the E. and W. center line of sec. 20. Over rolling terrain.
40.02	The center 1/4 sec. cor. of sec. 20.

Subdivision of Section 20,
T. 52 N., R. 91 W., Sixth Principal Meridian, Wyoming

CHAINS	
54.20	Red Gulch Road, bears SE. and NW.
59.95	Point for the center W. 1/16 sec. cor. of sec. 20. Set an iron post, 28 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd. <div style="text-align: center;"> T52N R91W W1/16 C———C S 20 2000 </div>
	Set a steel fence post alongside the iron post.
79.88	The 1/4 sec. cor. of secs. 19 and 20. <hr/>
	From the W. 1/16 sec. cor. of secs. 20 and 29. N. 0° 02' W., on the N. and S. center line of the SW¼ of sec. 20. Over rolling terrain.
20.01	Point for the SW. 1/16 sec. cor. of sec. 20, at intersection with the E. and W. center line of the SW¼. Set an iron post, 28 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd. <div style="text-align: center;"> T52N R91W SW1/16 S 20 2000 </div>
	Set a steel fence post alongside the iron post.
40.02	The center W. 1/16 sec. cor. of sec. 20. <hr/>
	From the center S. 1/16 sec. cor. of sec. 20. N. 89° 41' W., on the E. and W. center line of the SW¼ of sec. 20. Over rolling terrain.
19.96	The SW. 1/16 sec. cor. of sec. 20.

Subdivision of Section 20,
T. 52 N., R. 91 W., Sixth Principal Meridian, Wyoming

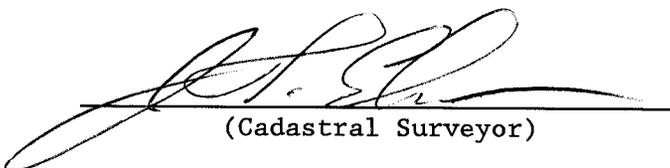
<p>CHAINS</p> <p>39.92</p>	<p>The S. 1/16 sec. cor. of secs. 19 and 20.</p> <hr/> <p style="text-align: center;">GENERAL DESCRIPTION</p> <p>The area embraced by this survey is located in the eastern portion of Big Horn County, approximately 5 miles south of Shell, Wyoming. The terrain varies from rolling to broken with the elevation ranging from approximately 4,300 feet to 4,800 feet above sea level. The soil is sandy loam and the vegetation consists of sagebrush and native grasses.</p> <p>Drainage of the area is provided by North Sheldon Gulch which drains in a northwesterly direction. The land is utilized for grazing and recreation purposes. There are no permanent residents and no evidence of mineral activity was noted at the time of the survey.</p> <p>Access is provided by Red Gulch Road along with several trail roads.</p>
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CERTIFICATE OF SURVEY

I, Joel T. Ebner, Cadastral Surveyor, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 6th day of April, 2000, I have dependently resurveyed portions of the west boundary and subdivisional lines, and subdivided sections 19 and 20, Township 52 North, Range 91 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.

SEP 28 2001

(Date)


(Cadastral Surveyor)

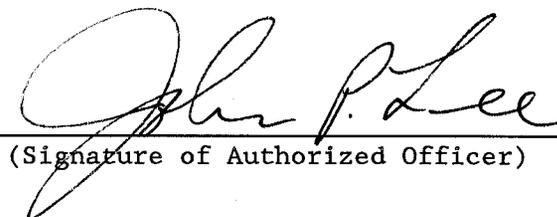
CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT
Cheyenne, Wyoming

The foregoing field notes of the dependent resurvey of portions of the west boundary and subdivisional lines, and subdivided sections 19 and 20, Township 51 North, Range 91 West, Sixth Principal Meridian, Wyoming, executed by Joel T. Ebner, Cadastral Surveyor, having been critically examined and found correct, are hereby approved.

SEP 28 2001

(Date)


(Signature of Authorized Officer)