

# ORIGINAL

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

## FIELD NOTES

OF THE

DEPENDENT RESURVEY

OF

A PORTION OF THE SUBDIVISIONAL LINES,

AND THE

SUBDIVISION OF SECTION 20,

TOWNSHIP 20 NORTH, RANGE 105 WEST,

OF THE SIXTH PRINCIPAL MERIDIAN,

IN THE STATE OF WYOMING.

### EXECUTED BY

OLIAN T. SHOCKLEY

CADASTRAL SURVEYOR

Under Special Instructions dated March 7, 2003, approved March 7, 2003, which provided for the surveys included under Group Number 710, and assignment instructions dated March 7, 2003.

Survey commenced March 27, 2003

Survey completed January 22, 2004

# INDEX DIAGRAM

Township 20 North, Range 105 West

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## T. 20 N., R. 105 W., Sixth Principal Meridian, Wyoming

## CHAINS

The following field notes are those of the dependent resurvey of a portion of the subdivisional lines, and the subdivision of section 20, Township 20 North, Range 105 West, Sixth Principal Meridian, Wyoming.

The history of surveys pertaining to this resurvey is as follows:

E. A. LaPeire surveyed the subdivisional lines in 1883, this survey was subsequently canceled. William S. Adams and Scott P. Stewart independently resurveyed the subdivisional lines in 1907.

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. 710, Wyoming, dated March 7, 2003.

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.

The survey was executed with TRIMBLE Model 4700 Global Positioning System (GPS) receivers. The directions of all lines refer to the true meridian, as determined by GPS observations. GPS control network and supporting data are contained in the official group file.

Detectable Electronically Energized Particles (DEEP-1 TM) were buried as memorials at certain corner monuments. The "DEEP-1" is composed of strontium incased in a plastic container. The units are 1 inch in diameter, 2½ inches long, weight 2½ ounces, and are magnetically detectable to an average depth of 8 feet.

The geographic position of the corner of sections 20, 21, 28 and 29, based on NAD 83(93) and determined by Global Positioning System methods is:

Latitude 41°41'27.478" N., Longitude 109°16'19.557" W.

The mean magnetic declination is 12½° E.

Dependent Resurvey, Portion of the Subdivisional Lines,  
T. 20 N., R. 105 W., Sixth Principal Meridian, Wyoming

CHAINS											
	<p>(Restoring the survey executed by William S. Adams and Scott P. Stewart in 1907)</p> <hr/>										
	<p>Beginning at the cor. of secs. 20, 21, 28 and 29, monumented with the original 1907 U.S. Land Office monument, an iron post, 2½ ins. diam., firmly set, projecting 11 ins. above ground, with a steel fence post nearby, with undated brass cap inscribed U.S. LAND OFFICE, and mkd.</p>										
	<table style="margin-left: auto; margin-right: auto;"> <tr><td colspan="2" style="text-align: center;">T20N</td></tr> <tr><td style="text-align: center;">20</td><td style="text-align: center;">21</td></tr> <tr><td colspan="2" style="text-align: center;">-----</td></tr> <tr><td style="text-align: center;">29</td><td style="text-align: center;">28</td></tr> <tr><td colspan="2" style="text-align: center;">R105W</td></tr> </table>	T20N		20	21	-----		29	28	R105W	
T20N											
20	21										
-----											
29	28										
R105W											
	<p>Cor. is located 20 lks. W. of Old Rock Springs Road, a dim and overgrown two track road, bears N. and S.</p>										
	<p>N. 0° 20' W., bet. secs. 20 and 21.</p>										
	<p>Over open, level terrain.</p>										
<p>40.26</p>	<p>The 1/4 sec. cor. of secs. 20 and 21, monumented with the original 1907 U.S. Land Office monument, an iron post, 2½ ins. diam., firmly set, projecting 13 ins. above ground, with undated brass cap inscribed U.S. LAND OFFICE, and mkd.</p>										
	<table style="margin-left: auto; margin-right: auto;"> <tr><td colspan="2" style="text-align: center;">T20N</td></tr> <tr><td colspan="2" style="text-align: center;">1/4</td></tr> <tr><td style="text-align: center;">20</td><td style="text-align: center;">21</td></tr> <tr><td colspan="2" style="text-align: center;">-----</td></tr> <tr><td colspan="2" style="text-align: center;">R105W</td></tr> </table>	T20N		1/4		20	21	-----		R105W	
T20N											
1/4											
20	21										
-----											
R105W											
	<p>Cor. is located on open level ground.</p> <hr/>										
	<p>N. 0° 09' W., beginning new measurement.</p>										
	<p>Over, open level terrain.</p>										
<p>4.50</p>	<p>Center of trail road, bears E. and W.</p>										
<p>40.04</p>	<p>The cor. of secs. 16, 17, 20, and 21, monumented with the original 1907 U.S. Land Office monument, an iron post, 2½ ins. diam., firmly set, projecting 17 ins. above ground, with steel fence post nearby, with undated brass cap inscribed U.S. LAND OFFICE, and mkd.</p>										

Dependent Resurvey, Portion of the Subdivisional Lines,  
T. 20 N., R. 105 W., Sixth Principal Meridian, Wyoming

CHAINS	
	T20N 17   16 ———— 20   21 R105W
	Cor. is located on open level ground.
	From the cor. of secs. 20, 21, 28 and 29.
	N. 89° 31' W., bet. secs. 20 and 29.
	Over open, level terrain.
0.35	Center of dry arroyo, 20 lks. wide, 7 ft. deep, bears N. and S.
35.155	Steel reinforcing rod, 5/8 in. diam., flush with the surface of the ground, with aluminum cap, 2 ins. diam., mkd. D.R.G. RLS 2785. From this point, another steel reinforcing rod, 5/8 in. diam., set flush with the surface of the ground, with aluminum cap, 2 ins. diam., mkd. D.R.G. RLS 2785, bears N. 0° 12' W., 10.00 chs. dist.
35.45	Center of Sweetwater County Road No. 58 (Yellowstone Road), asphalt surface, 35 lks. wide, bears SSE. and NNW.
39.97	Wooden fence corner, abandoned barbed wire fence extends N. and 3 strand barbed wire fence extends W., thence along barbed wire fence.
40.155	The 1/4 sec. cor. of secs. 20 and 29, reestablished by Craig A. Shauers, Wyoming Registered Land Surveyor No. 2928, monumented with an aluminum post, 2½ ins. diam., 30 ins. long, firmly set, projecting 10 ins. above ground, with a steel fence post nearby, with aluminum cap mkd. T20N R105W 1/4 S20 S29 1980. This is accepted as a careful and faithful reestablishment of the original cor. position.
	Set an iron post, 28 ins. long, 2½ ins. diam., 24 ins. in the ground, atop a "DEEP-1" magnetic marker, with brass cap mkd.
	T20N R105W S 20 1/4 ——— S 29 2003
	Bury the private monument alongside the iron post.

Dependent Resurvey, Portion of the Subdivisional Lines,  
T. 20 N., R. 105 W., Sixth Principal Meridian, Wyoming

CHAINS											
	<p>Cor. is located in a 3 strand barbed wire fence, bears E. and W.</p> <p><b>Note:</b> The authenticity of this cor. position is supported by a 1928 record measurement from the proposed center of Old U.S. Highway 187 (now Sweetwater County Road No. 58) to the "S 1/4 corner of section 20" (N. 89° 55' W., 309.7 ft. dist.). Historical documents showing this measurement are contained in the group file for Group 710, Wyoming; and are on file at the State of Wyoming Department of Transportation in Cheyenne, Wyoming (As-constructed Plan Sheets, Project No. 140C, January 3, 1928), and at the Sweetwater County Clerk's Office in Green River, Wyoming (Sweetwater County Commissioners Meeting Minutes, January 3, 1928).</p> <hr/> <p>N. 89° 31' W., beginning new measurement.</p> <p>Along a 3 strand barbed wire fence.</p>										
6.14	Wooden fence cor., wire mesh and 2 strand barbed wire fence extends N., wire mesh fence extends E.										
6.15	Steel reinforcing rod, ½ in. diam, 6 ins. below the surface of the ground, no cap or tag.										
6.33	Thence along a single rail wooden fence.										
12.48	Steel reinforcing rod, 5/8 in. diam, flush with the surface of the ground, with aluminum cap mkd. LS 6263, bears North, 0.3 lks. dist.										
22.01	Steel reinforcing rod, 5/8 in. diam, firmly set, projecting 1 in. above ground, with aluminum cap mkd. D.R.G. RLS 2785.										
40.155	<p>The cor. of secs. 19, 20, 29 and 30, monumented with the original 1907 U.S. Land Office monument, an iron post, 2½ ins. diam., firmly set, projecting 18 ins. above ground, with undated brass cap inscribed U.S. LAND OFFICE, and mkd.</p> <div style="text-align: center;"> <table border="1"> <tr> <td colspan="2">T20N</td> </tr> <tr> <td>19</td> <td>20</td> </tr> <tr> <td colspan="2"><hr/></td> </tr> <tr> <td>30</td> <td>29</td> </tr> <tr> <td colspan="2">R105W</td> </tr> </table> </div> <p>Cor. is located on a steep E. facing slope, on the W. side of a wooden fence cor., 5 strand barbed wire fences extends N. and E.</p> <hr/>	T20N		19	20	<hr/>		30	29	R105W	
T20N											
19	20										
<hr/>											
30	29										
R105W											

Dependent Resurvey, Portion of the Subdivisional Lines,  
T. 20 N., R. 105 W., Sixth Principal Meridian, Wyoming

CHAINS	
40.05	<p>N. 0° 09' W., bet. secs. 19 and 20.</p> <p>Over a steep E. facing slope, along a 5 strand barbed wire fence.</p> <p>The 1/4 sec. cor. of secs. 19 and 20, monumented with the original 1907 U.S. Land Office monument, an iron post, 2½ ins. diam., firmly set, projecting 20 ins. above ground, with undated brass cap inscribed U.S. LAND OFFICE, and mkd.</p> <div style="text-align: center;"> <p>T20N 1/4 19   20 R105W</p> </div> <p>Cor. is located on open, level ground, on the W. side of a wooden fence cor., abandoned barbed wire fence extending N., 5 strand barbed wire fences extending E. and S.</p> <hr/>
	<p>NORTH, beginning new measurement.</p> <p>Over broken to gently rolling ground.</p>
40.02	<p>The cor. of secs. 17, 18, 19, and 20, monumented with the original 1907 U.S. Land Office monument, an iron post, 2½ ins. diam., firmly set, projecting 11 ins. above ground, encircled with a rubber tire, with undated brass cap inscribed U.S. LAND OFFICE, and mkd.</p> <div style="text-align: center;"> <p>T20N 18   17 ----- 19   20 R105W</p> </div> <p>Cor. is located on the north side of an arroyo, 10 lks. wide, 3 ft. deep, drains irregularly E.; abandoned barbed wire fences extending N. and E.</p> <hr/>
	<p>From the cor. of secs. 16, 17, 20, and 21.</p> <p>N. 89° 37' W., bet. secs. 17 and 20.</p> <p>Over open, level terrain.</p>
40.09	<p>The 1/4 sec. cor. of secs. 17 and 20, monumented with the original 1907 U.S. Land Office monument, an iron post, 2½ ins. diam., firmly set, projecting 10 ins. above ground, with a steel fence post nearby, with undated brass cap inscribed U.S. LAND OFFICE, and mkd.</p>

Dependent Resurvey, Portion of the Subdivisional Lines,  
T. 20 N., R. 105 W., Sixth Principal Meridian, Wyoming

CHAINS	
	T20N 17 1/4 ——— 20 R105W
	Cor. is located 46 lks. S. of the center of a trail road, bears E. and W.
	—————
	N. 89° 45' W., beginning new measurement.
22.78	Center of Sweetwater County Road No. 58 (Yellowstone Road), graded gravel surface, 35 lks. wide, bears SSE. and NNW.
39.97	The cor. of secs. 17, 18, 19, and 20.
Subdivision of Section 20 T. 20 N., R. 105 W., Sixth Principal Meridian, Wyoming	
	From the 1/4 sec. cor. of secs. 20 and 29.
	N. 0° 12' W., on the N. and S. center line of sec. 20.
	Over open, level ground, through a residential area.
3.15	Intersect barbed wire and mesh fence, extending E. and W. The cor. of this fence and an abandoned barbed wire fence extending N. and S., bears EAST, 19.4 lks. dist.
6.31	Intersect abandoned barbed wire fence, extending E. and W. The cor. of this fence and an abandoned barbed wire fence extending N. and S., bears EAST, 24.8 lks. dist.
9.14	Iron water meter cover, 15 ins. diam. atop PVC well, mkd. "WATER METER MUELLER", bears EAST, 33.9 lks. dist.
9.30	Iron water meter cover, 15 ins. diam. atop PVC well, mkd. "WATER METER MUELLER", bears EAST, 32.6 lks. dist.
9.47	Intersect abandoned barbed wire fence, extending E. and W. The cor. of this fence and an abandoned barbed wire fence extending S., bears EAST, 29.0 lks. dist.
10.00	Steel reinforcing rod, 5/8 in. diam., flush with the surface of the ground, with aluminum cap, 2 ins. diam., mkd. D.R.G. RLS 2785.

Subdivision of Section 20,  
T. 20 N., R. 105 W., Sixth Principal Meridian, Wyoming

CHAINS	
12.09	Center of Sweetwater County Road No. 58 (Yellowstone Road), asphalt surface, 35 lks. wide, bears SSE. and NNW.
15.65	Center of trail road, bears NNE. and SW. in curve.
40.16	The center 1/4 sec. cor. of sec. 20, established by Daniel A. Siek, Wyoming Registered Land Surveyor No. 2097, monumented with an iron post, 2½ ins. diam., firmly set, projecting 8 ins. above ground, with brass cap mkd.
	<div style="text-align: center;"> <p>1981 C   1/4 C — C   C SEC 20 RLS2097</p> </div>
	This is accepted as a careful and faithful determination of the cor. position. Point not remonumented.
	Set a steel fence post nearby.
	The cor. is located 3 lks. NE. of cor. of wire mesh fence cor., fences extending S. and W.
	<hr style="width: 30%; margin: auto;"/> <p>N. 0° 12' W., beginning new measurement.</p>
	Over open, level terrain.
0.22	Center of trail road, bears E. and W.
0.69	S. terminus of an old abandoned barbed wire fence, extending irregularly N. and S., bears EAST, 53.0 lks. dist.
32.56	N. terminus of an old abandoned barbed wire fence, extending irregularly N. and S., bears EAST, 8.3 lks. dist.
40.07	The 1/4 sec. cor. of secs. 17 and 20.
	<hr style="width: 30%; margin: auto;"/> <p>From the 1/4 sec. cor. of secs. 20 and 21.</p>
	N. 89° 40' W., on the E. and W. center line of sec. 20.
	Over open, level ground.

Subdivision of Section 20,  
T. 20 N., R. 105 W., Sixth Principal Meridian, Wyoming

CHAINS	
28.28	Center of trail road, bears ENE. and WSW.
40.06	The center 1/4 sec. cor. of sec. 20. <hr style="width: 50%; margin-left: auto; margin-right: auto;"/>
	N. 89° 40' W., beginning new measurement.  Over open, level terrain, along a wire mesh fence.
10.20	Center of Sweetwater County Road No. 58 (Yellowstone Road), asphalt surface, 35 lks. wide, bears SSE. and NNW.
40.11	The 1/4 sec. cor. of secs. 19 and 20. <hr/>
	GENERAL DESCRIPTION
	<p>The area encompassed by this survey is situated in a sparsely developed residential area in the west central portion of Sweetwater County, approximately 8.5 miles north-northeast of Rock Springs, Wyoming. The terrain is open and level, gradually rising to the east facing slopes of White Mountain. The average elevation is about 6,550 feet above sea level. The soil is a mixture of sandy loam and sand with scattered areas of exposed sandstone bedrock. Vegetation consists of sagebrush and native grasses.</p> <p>Numerous dry washes and arroyos exist in section 20 and drain easterly. The west half of the section is developed, with scattered permanent residences located mostly in the Stassinos Ranch and Billy Goat Acres subdivisions. Livestock raising appears to be confined to horses penned on residential property. No mineral activity was noted during the course of the survey.</p> <p>Primary access is via County road No. 58 (Yellowstone Road), secondary access is via Stassinos Ranch and Evelyn Roads, and various two track trail roads.</p>



## CERTIFICATE OF SURVEY

I, Olian T. Shockley, Cadastral Surveyor, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 7th day of March, 2003, I have dependently resurveyed a portion of the subdivisional lines and subdivided section 20, Township 20 North, Range 105 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.

JAN 29 2004

(Date)

Olian T. Shockley

(Cadastral Surveyor)

## CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT  
Cheyenne, Wyoming

The foregoing field notes of the dependent resurvey of a portion of the subdivisional lines and the subdivision of section 20, Township 20 North, Range 105 West, Sixth Principal Meridian, Wyoming, executed by Olian T. Shockley, Cadastral Surveyor, having been critically examined and found correct, are hereby approved.

JAN 29 2004

(Date)

John P. Lee

(Signature of Authorized Officer)