

South Heart Lignite Mine
Metes and Bounds Legal Description of the Permit Area

A tract located in Sections 9, 10, 14, 15, 16, 17, 20, 21, 22, 23, 27, 28, 29, 33, and 34, T139N, R98W, Fifth Principal Meridian, Stark County, ND, more particularly described as follows:

Beginning at corner No. 301, the northeast corner of Section 27;

thence S 01°57'02" W a distance of 5,282.7 feet to corner No. 302, the southeast corner of Section 27;

thence S 02°05'35" W along the east line of Section 34 a distance of 372.5 feet to corner No. 303;

thence N 88°31'26" W a distance of 5,546.0 feet to corner No. 304;

thence N 02°01'43" E a distance of 3,018.8 feet to corner No. 305;

thence N 37°05'03" W a distance of 1,687.9 feet to corner No. 306;

thence N 88°30'36" W a distance of 1,318.4 feet to corner No. 307;

thence N 45°26'08" W a distance of 1,782.6 feet to corner No. 308;

thence N 88°34'34" W a distance of 1,419.0 feet to corner No. 309;

thence N 01°48'27" E a distance of 5,278.4 feet to corner No. 310;

thence N 88°17'42" W a distance of 4,154.0 feet to corner No. 311;

thence N 02°07'56" E a distance of 4,159.8 feet to corner No. 312;

thence S 88°14'42" E a distance of 1,612.7 feet to corner No. 313;

thence S 02°09'15" W along the north-south quarter line of Section 17 a distance of 1,269.5 feet to corner No. 314;

thence S 88°21'56" E a distance of 3,865.1 feet to corner No. 315;

thence N 02°08'23" E a distance of 3,808.3 feet to corner No. 316;

thence S 88°35'54" E a distance of 5,453.1 feet to corner No. 317;

thence S 02°03'22" W a distance of 1,320.2 feet to corner No. 318;

thence S 88°30'35" E along the section line a distance of 3,871.6 feet to corner No. 319, the northeast corner of Section 15;

thence S 88°18'40" E along the north line of Section 14 a distance of 662.0 feet to corner No. 320;

thence S 01°54'41" W a distance of 3,965.2 feet to corner No. 321;

thence S 88°18'17" E a distance of 4,623.4 feet to corner No. 322;

thence S 01°57'04" W along the section line a distance of 1,322.4 feet to corner No. 323, the northeast corner of Section 23;

thence S 02°02'06" W along the east line of Section 23 a distance of 1,419.2 feet to corner No. 324;

thence N 88°15'55" W a distance of 1,222.2 feet to corner No. 325;

thence S 01°59'59" W a distance of 3,857.7 feet to corner No. 326;

thence N 88°16'25" W along the south line of Section 23 a distance of 4,059.5 feet to corner No. 301, the point of beginning.

Said tract contains 4,581.4 acres, more or less.

All bearings, distances and areas based on the Stark County ground grid, ND State Plane Coordinate System, NAD27, US survey foot.

Corner No.	North	East
301	435,415.0	1,369,376.8
302	430,135.4	1,369,197.0
303	429,763.1	1,369,183.3
304	429,906.0	1,363,639.2
305	432,922.9	1,363,746.0
306	434,269.5	1,362,728.2
307	434,303.8	1,361,410.3
308	435,554.7	1,360,140.3
309	435,589.9	1,358,721.7
310	440,865.7	1,358,888.2
311	440,989.3	1,354,736.1
312	445,146.3	1,354,890.9
313	445,096.9	1,356,502.7
314	443,828.3	1,356,455.0
315	443,718.1	1,360,318.6
316	447,523.7	1,360,460.8
317	447,390.3	1,365,912.2
318	446,071.0	1,365,864.9
319	445,970.3	1,369,735.2
320	445,950.8	1,370,396.9
321	441,987.8	1,370,264.7
322	441,851.0	1,374,886.0
323	440,529.4	1,374,841.1
324	439,111.0	1,374,790.7
325	439,148.1	1,373,569.0
326	435,292.7	1,373,434.4

Prepared By: C. Vender
Date Prepared: 12-14-2007 Rev 11-12-2009
Company: Interstate Engineering, inc.
P.O. Box 1254
Mandan, North Dakota