



SOUTHEASTERN LAND SURVEYS

LEONARD F. SWOYER
REGISTERED LAND SURVEYOR

Box 208A
Route Five
Athens, Ohio 45701
614/593-8701

A description of the Center line of Bern Township Road 196, situated in Section 13 and 14, Town 7 North, Range 12 West, Bern Township, Athens County, Ohio and described as follows:

Commencing at a found iron pin at the northeast corner of Lot 6 in the Village of Phillipsburg, Section 13 of said Township; thence on an assumed bearing South 09 degrees 55 minutes 00 seconds West 146.22 feet to a found iron pin at the southeast corner of Lot 6; thence South 03 degrees 59 minutes 10 seconds East 58.51 feet to a point; thence South 52 degrees 24 minutes 15 seconds East 151.93 feet to a point near the intersection of Township Road 543 and State Route 329; thence South 64 degrees 11 minutes 19 seconds East 197.83 feet to a P.K. nail near the intersection of State Route 329 and Bern Township Road 196; thence along said road on a random traverse line the following distances and bearings:

North 59 degrees 11 minutes 15 seconds East 334.56 feet to a point; thence
North 21 degrees 33 minutes 56 seconds East 216.52 " " " "
North 11 degrees 25 minutes 34 seconds West 237.45 " " " "
North 43 degrees 24 minutes 17 seconds West 359.80 " " " "
North 33 degrees 47 minutes 49 seconds West 324.59 " " " "
North 20 degrees 45 minutes 12 seconds West 365.51 " " " "
North 21 degrees 46 minutes 30 seconds West 223.55 " " " "
North 21 degrees 55 minutes 13 seconds West 727.96 " " " "
North 07 degrees 41 minutes 20 seconds West 386.24 " " " "
North 00 degrees 45 minutes 29 seconds West 194.00 " " " "
North 06 degrees 01 minutes 51 seconds West 294.08 feet to a point in the center of Bern Township Road 196 which point bears South 01 degrees 45 minutes 54 seconds West 13.00 feet from the south edge of a bridge

PROPERTY

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SUBDIVISIONS

BRN # 13



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which crosses Marietta Run, said point is THE TRUE POINT OF BEGINNING and station 00+00 of the following Center line description of Bern Township Road 196; thence the following distances and bearings:

North 03 degrees 06 minutes 34 seconds West	82.38 feet	to station 00+82.38;	thence
North 29 degrees 50 minutes 33 seconds West	106.89 "	" "	1+89.27 "
North 27 degrees 32 minutes 48 seconds West	95.27 "	" "	2+84.54 "
North 23 degrees 28 minutes 26 seconds West	240.78 "	" "	5+25.32 "
North 26 degrees 10 minutes 31 seconds West	122.14 "	" "	6+47.46 "
North 30 degrees 35 minutes 11 seconds West	66.76 "	" "	7+14.22 "
North 32 degrees 12 minutes 14 seconds West	124.13 "	" "	8+38.35 "
North 27 degrees 31 minutes 56 seconds West	136.26 "	" "	9+74.61 "
North 21 degrees 45 minutes 03 seconds West	84.74 "	" "	10+59.35 "
North 19 degrees 14 minutes 05 seconds West	289.94 "	" "	13+49.29 "
North 20 degrees 53 minutes 07 seconds West	56.86 "	" "	14+06.15 "
North 23 degrees 15 minutes 21 seconds West	228.08 "	" "	16+34.23 "
North 16 degrees 17 minutes 13 seconds West	206.36 "	" "	18+40.59 "
North 23 degrees 33 minutes 42 seconds West	59.00 "	" "	18+99.59 "
North 21 degrees 38 minutes 38 seconds West	85.72 "	" "	19+85.31 "
North 18 degrees 26 minutes 40 seconds West	89.60 "	" "	20+74.91 "

witness two set iron pins bearing North 18 degrees 26 minutes 40 seconds West 179.47 feet and 211.89 feet; thence northerly a distance of 318.17 feet along a tangential curve concave to the east having a radius of 579.96 feet and a central angle of 31 degrees 25 minutes 58 seconds to station 23+93.08; thence North 13 degrees 03 minutes 37 seconds East tangent to said curve 145.41 feet to station 25+38.49; thence the following bearings and distances:

North 09 degrees 27 minutes 26 seconds East	124.82 feet	to station 26+63.31;	thence
North 01 degrees 17 minutes 06 seconds West	104.66 "	" "	27+67.97 "
North 02 degrees 32 minutes 52 seconds West	223.75 "	" "	29+91.72 "
North 03 degrees 06 minutes 15 seconds East	112.62 "	" "	31+04.34 "

witness a found, fallen over, iron pin on the south side of a mine cave in which pin bears South 72 degrees 05 minutes 34 seconds East 203.28 feet, said pin being the southwest corner of a 230.88 acre tract owned by Black Diamond

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Coal Company and described in Volume 115 Page 73 of the Athens County Deed Record thence continuing along the center of Bern Township Road 196 the following bearings and distances:

North 05 degrees 15 minutes 10 seconds East 99.90 feet to station 32+04.24; thence
North 00 degrees 07 minutes 24 seconds East 151.35 " " " 33+55.59; "
North 06 degrees 04 minutes 07 seconds West 139.29 " " " 34+94.88; "
North 06 degrees 29 minutes 04 seconds West 197.81 " " " 36+92.69; "
North 12 degrees 41 minutes 21 seconds West 191.27 " " " 38+83.96; "
North 08 degrees 45 minutes 08 seconds West 212.58 " " " 40+96.54
(witness two set iron pins bearing North 08 degrees 45 minutes 08 seconds West
128.84 feet and 166.22 feet; thence northerly a distance of 185.12 feet along a
tangential curve concave to the East having a radius of 365.62 feet and a central
angle of 29 degrees 00 minutes 36 seconds to station 42+81.66; thence North 20
degrees 15 minutes 28 seconds East tangent to said curve 65.95 feet to station
43+47.61 (witness two set wooden hubs bearing North 20 degrees 15 minutes 28
seconds East distances of 159.88 feet and 184.51 feet); thence northerly along
a tangential curve concave to the West having a radius of 325.96 feet and a centr
angle of 40 degrees 57 minutes 59 seconds a distance of 233.06 feet to station
45+80.67; thence North 20 degrees 42 minutes 31 seconds West tangent to said
curve a distance of 46.27 feet to station 46+26.94; thence northerly a distance
of 333.27 feet along a tangential curve concave to the Southeast having a radius
of 194.06 feet and a central angle of 98 degrees 23 minutes 24 seconds to station
49+60.21; thence North 77 degrees 40 minutes 53 seconds East tangent to said
curve a distance of 53.00 feet to station 50+13.21; thence North 72 degrees 03
minutes 13 seconds East 50.99 feet to station 50+64.20; thence North 63 degrees
21 minutes 01 seconds East 41.44 feet to station 51+05.64 witness a found iron pi
which bears North 73 degrees 25 minutes 53 seconds East 166.50 feet, said pin is
on the West line of aforementioned 230.88 acre tract; thence easterly a distance
of 315.35 feet along a curve concave to the Southeast and not tangent with the
last described line, said curve has a radius of 451.55 feet and a central angle
of 40 degrees 00 minutes 49 seconds to station 54+20.99; thence South 83 degrees
06 minutes 44 seconds East 186.14 feet to station 56+07.13 (witness two set iron



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pins bearing South 83 degrees 06 minutes 44 seconds East 179.26 feet and 209.94 feet); thence northeasterly a distance of 266.90 feet along a tangential curve concave to the Northwest, said curve having a radius of 523.00 feet and a central angle of 29 degrees 14 minutes 22 seconds to station 58+74.03; thence North 67 degrees 38 minutes 54 seconds East 359.20 feet to station 62+33.23; thence North 72 degrees 30 minutes 39 seconds East 247.67 feet to a 16 penny nail on the north edge of a bridge which crosses Marietta Run station 64+80.90

Note: All set iron pins are capped, 5/8 inches in diameter and 31 inches in length.

The above description was based on a survey prepared by Southeastern Land Surveys Leonard F. Swoyer Registered Surveyor Number 6765 and dated December 2, 1982.

Fraction 1

Fraction 7

Fraction 13

● = iron pin found
○ = iron pin set
□ = wooden hub

Black Diamond Co.
241.48 Ac.
115-73

Section 14
Section 13

Curve 1	$\Delta = 31^{\circ}25'58''$ $R = 579.96'$ $L = 318.17'$
Curve 2	$\Delta = 29^{\circ}00'36''$ $R = 365.62'$ $L = 183.12'$
Curve 3	$\Delta = 40^{\circ}57'59''$ $R = 325.96'$ $L = 233.06'$
Curve 4	$\Delta = 98^{\circ}23'24''$ $R = 194.06'$ $L = 333.27'$
Curve 5	$\Delta = 40^{\circ}00'49''$ $R = 451.55'$ $L = 315.35'$
Curve 6	$\Delta = 29^{\circ}14'22''$ $R = 523.00'$ $L = 266.90'$

Federal Valley Coal Corp.

Bern Twp. Rd 196

Marietta Run

Random traverse from Phillipsburg
to P.O.B.

Plat of Survey of the Centerline of
Bern Township Road 196. Located in
Sections 13 and 14, Town 7 North, Range
12 West, Bern Township, Athens County
Ohio

Prepared By
SOUTHEASTERN LAND SURVEYS
for Athens County Engineering Department
scale 1" = 400' December 2, 1982

Leonard F. Swayer II
Leonard F. Swayer II Registered Surveyor No. 6765



6

5

PHILLIPSBURG
1 2 3 4 5 6
7 8 9 10

S.R. 329

