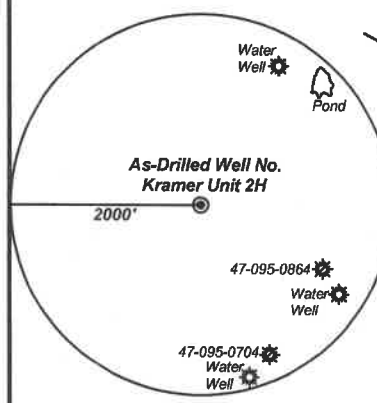


Antero Resources
Well No. Kramer Unit 2H
 As-Drilled
Antero Resources Corporation

Legend

- Proposed gas well
- Monument, as noted
- Existing Well, as noted
- Existing Well, as noted
- Creek or Drain
- Existing Road
- Surface boundary (approx.)
- Interior surface tracts (approx.)
- Corporation Line

Top Hole Coordinates, As-drilled data, and information was provided by Antero Resources Corporation. Allegheny Surveys Inc. (ASI) is not certifying the data and information provided. ASI is not responsible for any errors or inaccuracies with the data and information that has been provided.



Note: 3 water wells and 1 pond were found within 2000' of proposed well. No occupied dwellings or buildings 2,500 square feet or larger used to house or shelter dairy cattle or poultry husbandry are located within 625' of the center of the well pad.

7,682' to Bottom Hole

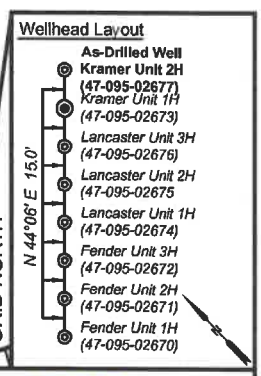
6,639' to Top Hole

TOP HOLE LATITUDE 39 - 30 - 00
BTM HOLE LATITUDE 39 - 32 - 30

LONGITUDE 80 - 52 - 30

Notes:
 West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements.
 Well No. Kramer Unit 2H Top Hole coordinates are
 N: 356,967.14' Latitude: 39°28'17.96"
 E: 1,605,368.89' Longitude: 80°53'52.66"
 POE coordinates are
 N: 357,425.11' Latitude: 39°28'22.95"
 E: 1,608,427.97' Longitude: 80°53'13.74"
 Bottom Hole coordinates are
 N: 369,230.20' Latitude: 39°30'19.03"
 E: 1,604,558.66' Longitude: 80°54'05.43"
 UTM Zone 17, NAD 1983
 Top Hole Coordinates POE Coordinates
 N: 4,369,132.407m N: 4,369,287.512m
 E: 508,791.462m E: 509,721.088m
 Bottom Hole Coordinates
 N: 4,372,864.277m
 E: 508,482.268m
 Plat orientation and corner and well references are based upon the grid north meridian.
 Well location references are based upon the magnetic meridian.

Bearing	Dist.
L1 S 50°26' E	1,405.3'
L2 S 29°03' E	1,515.9'
L3 N 70°18' W	881.3'
L4 N 06°10' W	1,483.4'



I, the undersigned, hereby certify that this plat is correct to the best of my knowledge and belief and shows all the information required by law and the rules issued and prescribed by the Department of Environmental Protection.

Bradley D. Miller
 Bradley D. Miller, P.S. 2167

FILE NO: 15-54-E-19
 DRAWING NO: Kramer Unit 2H As-Drilled
 SCALE: 1" = 2000'
 MINIMUM DEGREE OF ACCURACY: Submeter
 PROVEN SOURCE OF ELEVATION: WVDOT, Harrisville, WV

STATE OF WEST VIRGINIA
 DEPARTMENT OF ENVIRONMENTAL PROTECTION
OIL AND GAS DIVISION

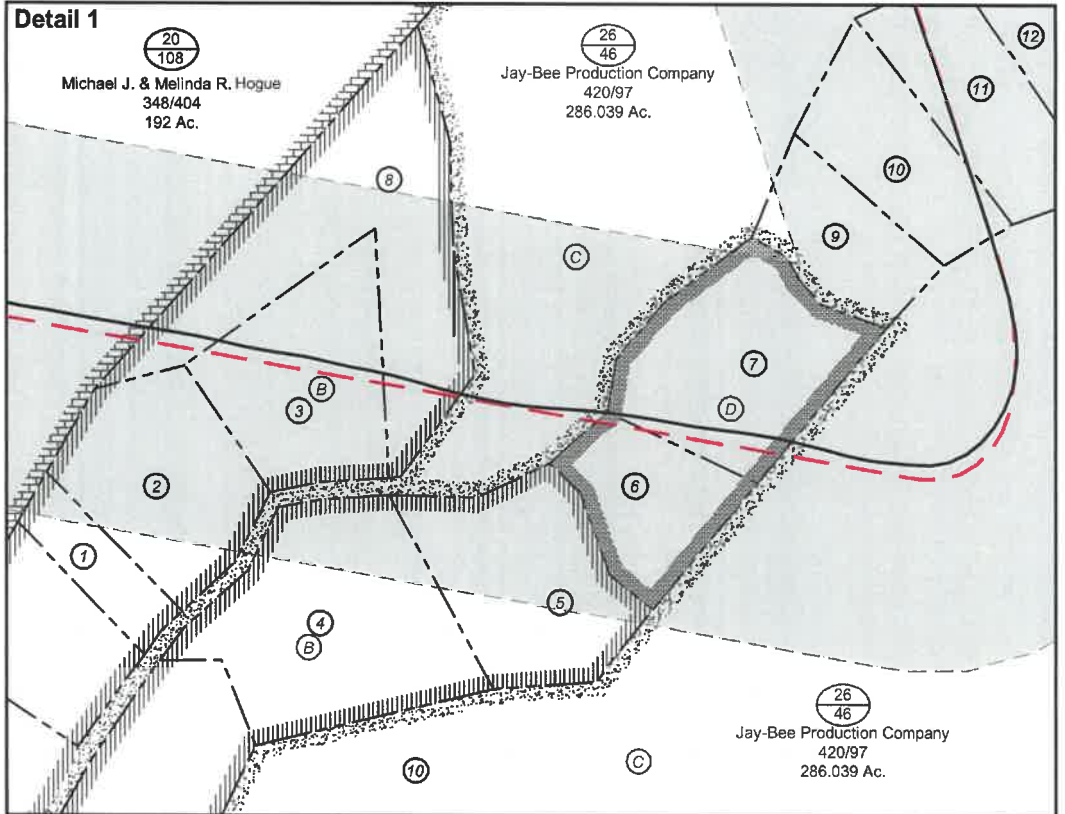
DATE: December 30 20 20
 OPERATOR'S WELL NO. Kramer 2H
 API WELL NO
 47 - 095 - 02677
 STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF GAS) PRODUCTION: STORAGE DEEP SHALLOW

LOCATION: ELEVATION: As-Built 1,015' WATERSHED: Outlet Middle Island Creek QUADRANGLE: Middlebourne
 DISTRICT: Ellsworth COUNTY: Tyler
 SURFACE OWNER: Michael J. & Melinda R. Hogue ACREAGE: 192.0
 ROYALTY OWNER: Michael J. & Melinda R. Hogue; James F. Doan, et ux (2); Ridgetop Capital LP; Nancy Ann Villers; LEASE NO: ACREAGE: 2.750; 34.59654; 28.54; 452.99125

PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) As-Drilled
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 20,480' MD 6,374' TVD

WELL OPERATOR: Antero Resources Corporation DESIGNATED AGENT: Dianna Stamper - CT Corporation System
 ADDRESS: 1615 Wynkoop Street ADDRESS: 5400 D Big Tyler Road
 Denver, CO 80202 Charleston, WV 25313



FILE NO: 15-54-E-19
 DRAWING NO: Kramer Unit 2H As-Drilled
 SCALE: 1" = 2000'
 MINIMUM DEGREE OF ACCURACY:
 Submeter
 PROVEN SOURCE OF ELEVATION:
 WVDOT, Harrisville, WV



DATE: December 30 2020
 OPERATOR'S WELL NO. Kramer 2H
 API WELL NO
 47 - 095 - 02677
 STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF GAS) PRODUCTION: STORAGE DEEP SHALLOW

LOCATION: ELEVATION: As-Built 1,015' WATERSHED: Outlet Middle Island Creek QUADRANGLE: Middlebourne 191.5; 81.33; 310.393;

DISTRICT: Ellsworth COUNTY: Tyler 9.178; 67.67; 6.95064;

SURFACE OWNER: Michael J. & Melinda R. Hogue ACREAGE: 192.0 1.58; 5.27; 5.94; 3.23;

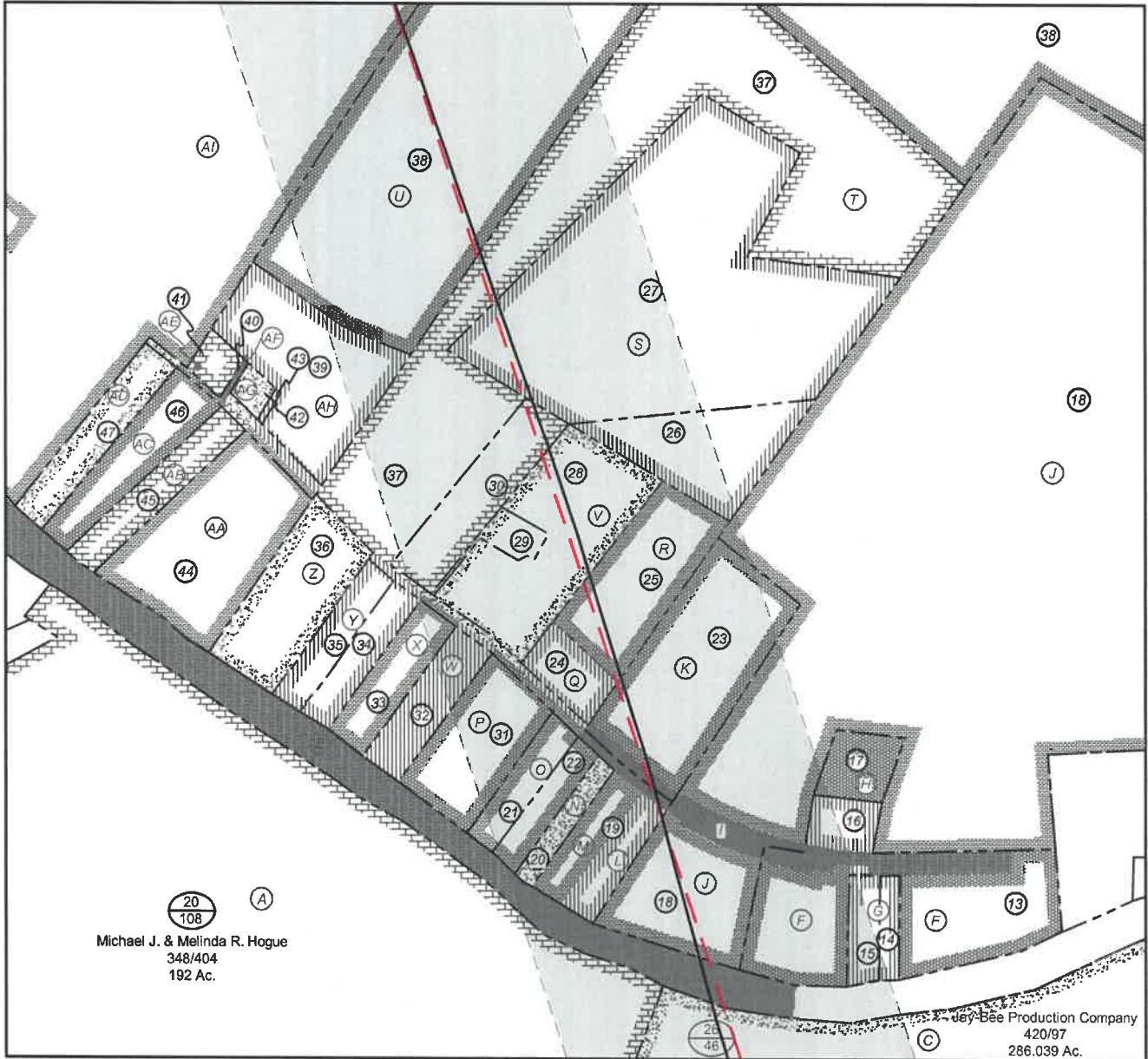
ROYALTY OWNER: Michael J. & Melinda R. Hogue; James F. Doan, et ux (2); Ridgetop Capital LP; Nancy Ann Villers; LEASE NO: ACREAGE: 19.35; 19.35; 70.9775;

PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION 15.012; 66.220; 0.85;

PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) As-Drilled 2.750; 34.59654;

PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 20,480' MD 28.54; 452.99125

WELL OPERATOR: Antero Resources Corporation DESIGNATED AGENT: Dianna Stamper - CT Corporation System
 ADDRESS: 1615 Wynkoop Street ADDRESS: 5400 D Big Tyler Road
 Denver, CO 80202 Charleston, WV 25313



FILE NO: 15-54-E-19
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 Submeter
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 WVDOT, Harrisville, WV



DATE: December 30 2020
 OPERATOR'S WELL NO. Kramer 2H
 API WELL NO
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 STATE COUNTY PERMIT

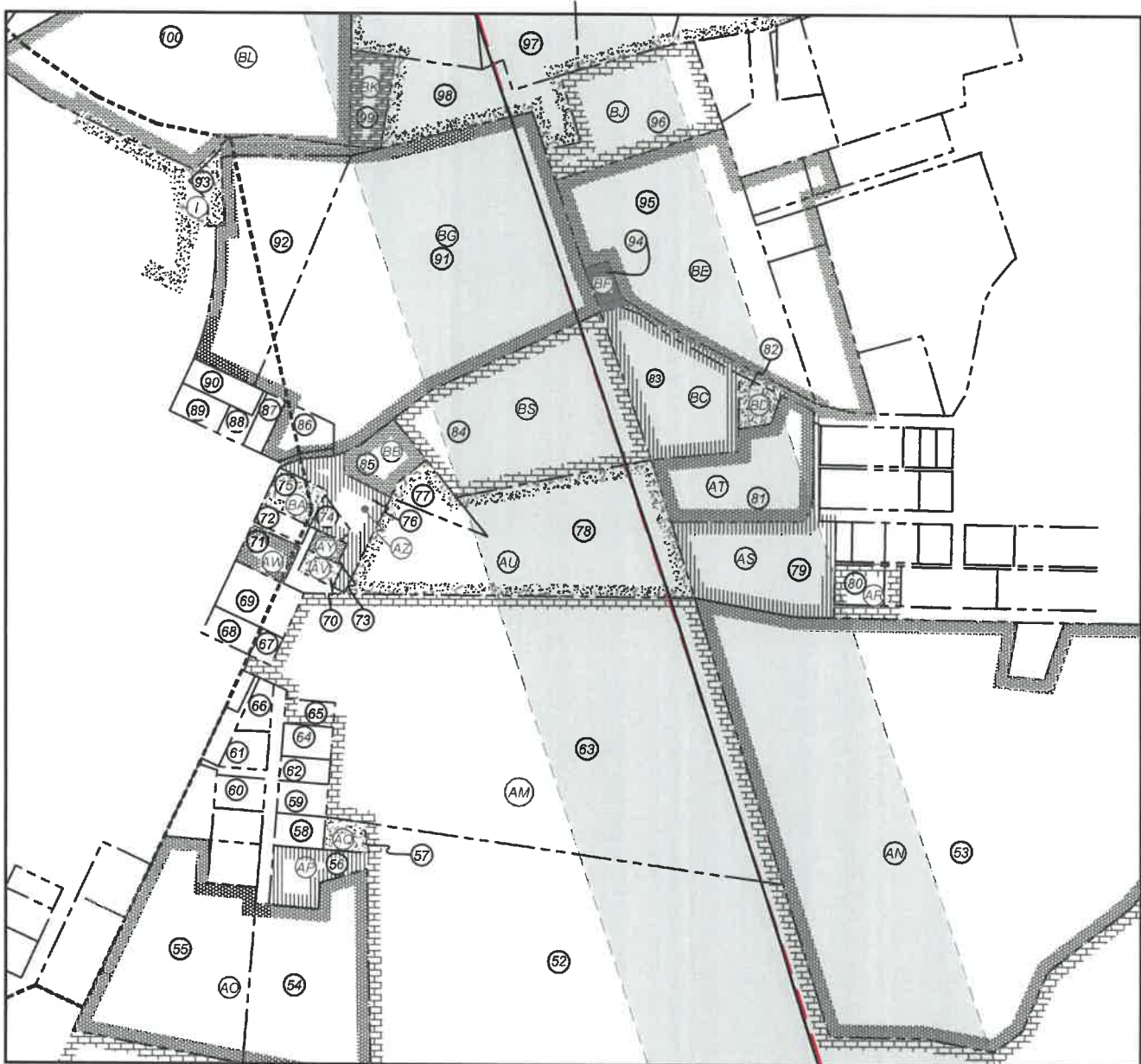
WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF GAS) PRODUCTION: STORAGE DEEP SHALLOW

LOCATION: ELEVATION: As-Built 1,015' WATERSHED: Outlet Middle Island Creek QUADRANGLE: Middlebourne 191.5; 81.33; 310.393;
 DISTRICT: Ellsworth COUNTY: Tyler 9.178; 67.67; 6.95064;

SURFACE OWNER: Michael J. & Melinda R. Hogue ACREAGE: 192.0 1.68; 5.27; 5.94; 3.23;
 ROYALTY OWNER: Michael J. & Melinda R. Hogue; James F. Doan, et ux (2); Ridgeway Capital LP; Nancy Ann Villers; LEASE NO: ACREAGE: 19.35; 19.35; 70.9775;
 19.35; 19.35; 70.9775;
 19.35; 19.35; 70.9775;
 2.750; 34.59854;
 28.54; 452.99125

PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) As-Drilled 6,374' TVD
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 20,480' MD

WELL OPERATOR: Antero Resources Corporation DESIGNATED AGENT: Dianna Stamper - CT Corporation System
 ADDRESS: 1615 Wynkoop Street ADDRESS: 5400 D Big Tyler Road
 Denver, CO 80202 Charleston, WV 25313



FILE NO: 15-54-E-19
 DRAWING NO: Kramer Unit 2H As-Drilled
 SCALE: 1" = 2000'
 MINIMUM DEGREE OF ACCURACY:
 Submeter
 PROVEN SOURCE OF ELEVATION:
 WVDOT, Harrisville, WV



DATE: December 30 2020
 OPERATOR'S WELL NO. Kramer 2H
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 47 - 095 - 02677
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DISTRICT: Ellsworth COUNTY: Tyler 9.178; 67.67; 6.95064;

SURFACE OWNER: Michael J. & Melinda R. Hogue 1.58; 5.27; 5.94; 3.23; 19.35; 19.35; 70.9775; 19.35; 19.35; 221.085;

ROYALTY OWNER: Michael J. & Melinda R. Hogue; James F. Doan, et ux (2); Ridgetop Capital LP; Nancy Ann Villers; LEASE NO: ACREAGE: 2.750; 34.59654; 28.54; 452.99125

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 Denver, CO 80202 Charleston, WV 25313

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