

1,514' to Bottom Hole

4,283' to Top Hole

LATITUDE 39 - 20 - 00

LONGITUDE 80 - 47 - 30

3,890' to Top Hole

11,709' to Bottom Hole

Scale: 1" = 2000'

Note: It appears 23 water wells 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.

Scale: 1" = 2000'

(4) Water Wells
 (3) Water Wells
 (2) Water Wells
 5 Gas Wells
 Possible water well @ foam cabin (indoor plumbing present, no well found)

Scale: 1" = 400'

Well Location References
 Scale: 1" = 400'

Antero Resources
Well No. Pickney Unit 1H
Antero Resources Corporation

WV Division of Natural Resources Lease
 William Randall Lynch & Dixie Craig Lease
 William Mark Smith Lease
 Middle Island Creek
 William Randall Lynch, et ux Memorandum of Oil & Gas Lease
 William Randall Lynch & Dixie Craig Lease
 WV Division of Natural Resources Lease
 William Mark Smith Lease
 Laura A. Ford & S. L. Ford Lease
 Ida F. Ford Lease
 S. M. Montgomery, et ux Lease
 Clarence Mutschelknaus Lease
 Alice H. Maxwell Lease
 Frank E. McGill
 Coastal Forest Resources Co.
 Martha Ann Ford McConnell, Memorandum of Oil & Gas Lease
 Russell Coleman, et al Lease
 Middle Island Creek
 Alice H. Maxwell Lease
 Frank E. McGill
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 Coastal Forest Resources Co.

Wellhead Layout
 Detail Not to Scale
 Caboose Unit 1H
 Caboose Unit 2H
 Proposed Pickney Unit 1H
 Proposed Pickney Unit 2H
 Goldsmith Unit 1H
 Goldsmith Unit 2H
 Jay Unit 1H
 Jay Unit 2H
 Chalk Unit 1H
 Chalk Unit 2H
 N 67°34' W 10.0'

Notes:
 West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements.
 Well No. Pickney Unit 1H Top Hole coordinates are
 N: 302,253.11' Latitude: 39°19'20.94"
 E: 1,630,365.72' Longitude: 80°48'23.78"
 Bottom Hole coordinates are
 N: 294,433.98' Latitude: 39°18'04.06"
 E: 1,633,134.68' Longitude: 80°47'47.11"
 UTM Zone 17, NAD 1983
 Top Hole Coordinates Bottom Hole Coordinates
 N: 4,352,590.915m N: 4,350,222.901m
 E: 516,684.981m E: 517,568.284m
 Plat orientation and corner and well references are based upon the grid north meridian.
 Well location references are based upon the magnetic meridian.

Notes:
 Well No. Pickney Unit 1H UTM Zone 17, NAD 1927
 Top Hole Coordinates Bottom Hole Coordinates
 N: 14,279,410.71' N: 14,271,641.59'
 E: 1,695,109.97' E: 1,698,007.96'
 Point of Entry Coordinates
 N: 14,279,236.12'
 E: 1,694,886.51'

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.

Kenneth J. Plum
Kenneth J. Plum, P.S. 2216

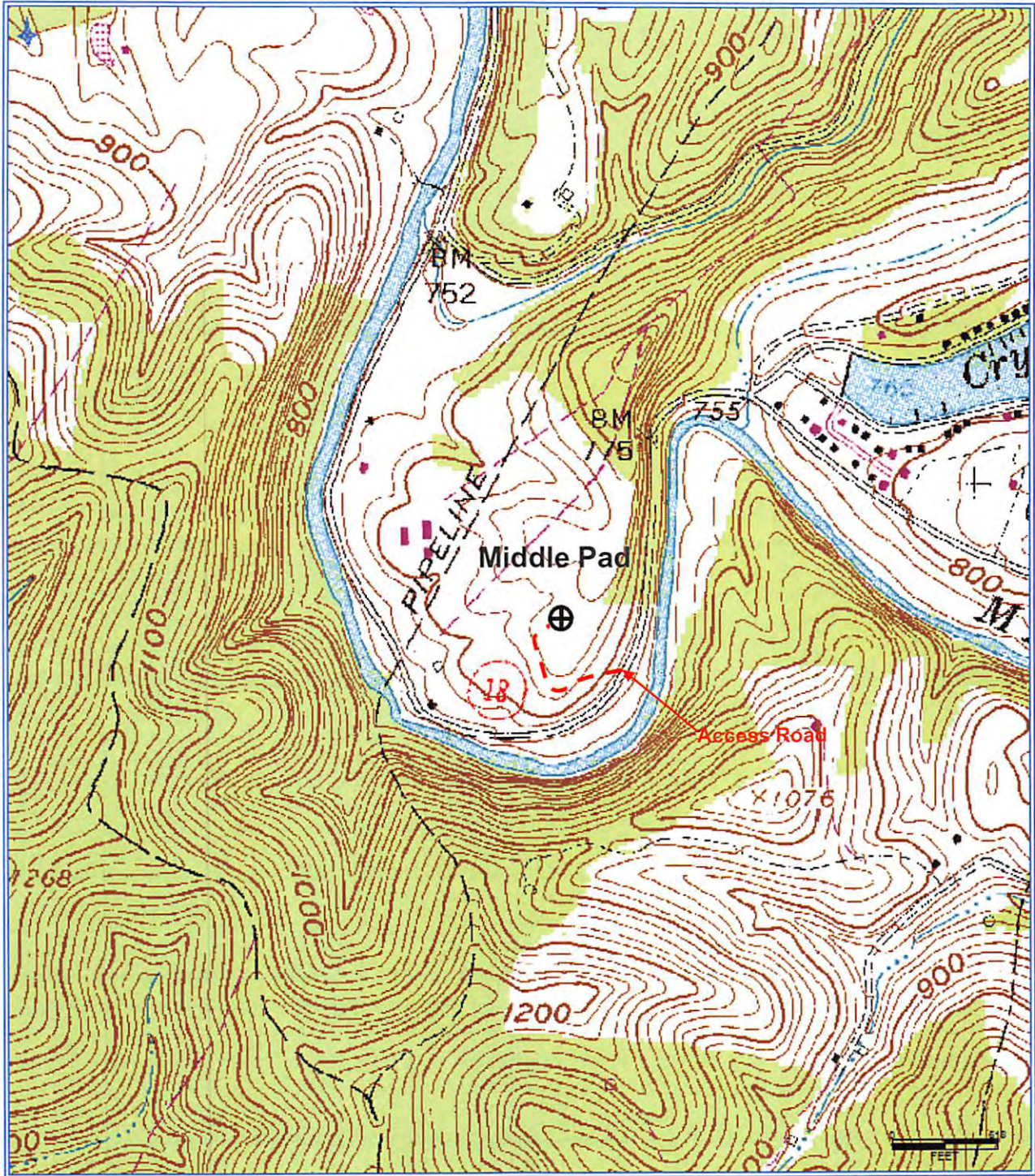
FILE NO: 238-30-WU-14
 DRAWING NO: Pickney 1H Well Plat
 SCALE: 1" = 1200'
 MINIMUM DEGREE OF ACCURACY: Submeter
 PROVEN SOURCE OF ELEVATION: CORS, Marietta, OH

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

DATE: September 6 2016
 Operator's Well No. Pickney Unit 1H
 API WELL NO
 47 - 017 - 06813
 STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF GAS) PRODUCTION: STORAGE DEEP SHALLOW
 LOCATION: ELEVATION: Existing Grade - 848' Proposed Grade - 843' WATERSHED: Headwaters Middle Island Creek QUADRANGLE: West Union
 DISTRICT: West Union COUNTY: Doddridge
 SURFACE OWNER: William Randall Lynch & Dixie Janet Craig WV Division of Natural Resources; William Randall Lynch & Dixie Craig; William Mark Smith; ACREAGE: 32.19
 ROYALTY OWNER: Clarence Mutschelknaus; Laura A. Ford & S. L. Ford; Ida F. Ford; Alice H. Maxwell LEASE NO: ACREAGE: 180; 124; 420; 32.15
 PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 15,500' MD
 PLUG AND ABANDON CLEAN OUT AND REPLUG

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



Antero Resources Corporation

Appalachian Basin

Pickney Unit 1H

Doddridge County

Quadrangle: West Union

Watershed: Middle Island Creek

District: West Union

Date: 2-24-2017

06/23/2017