

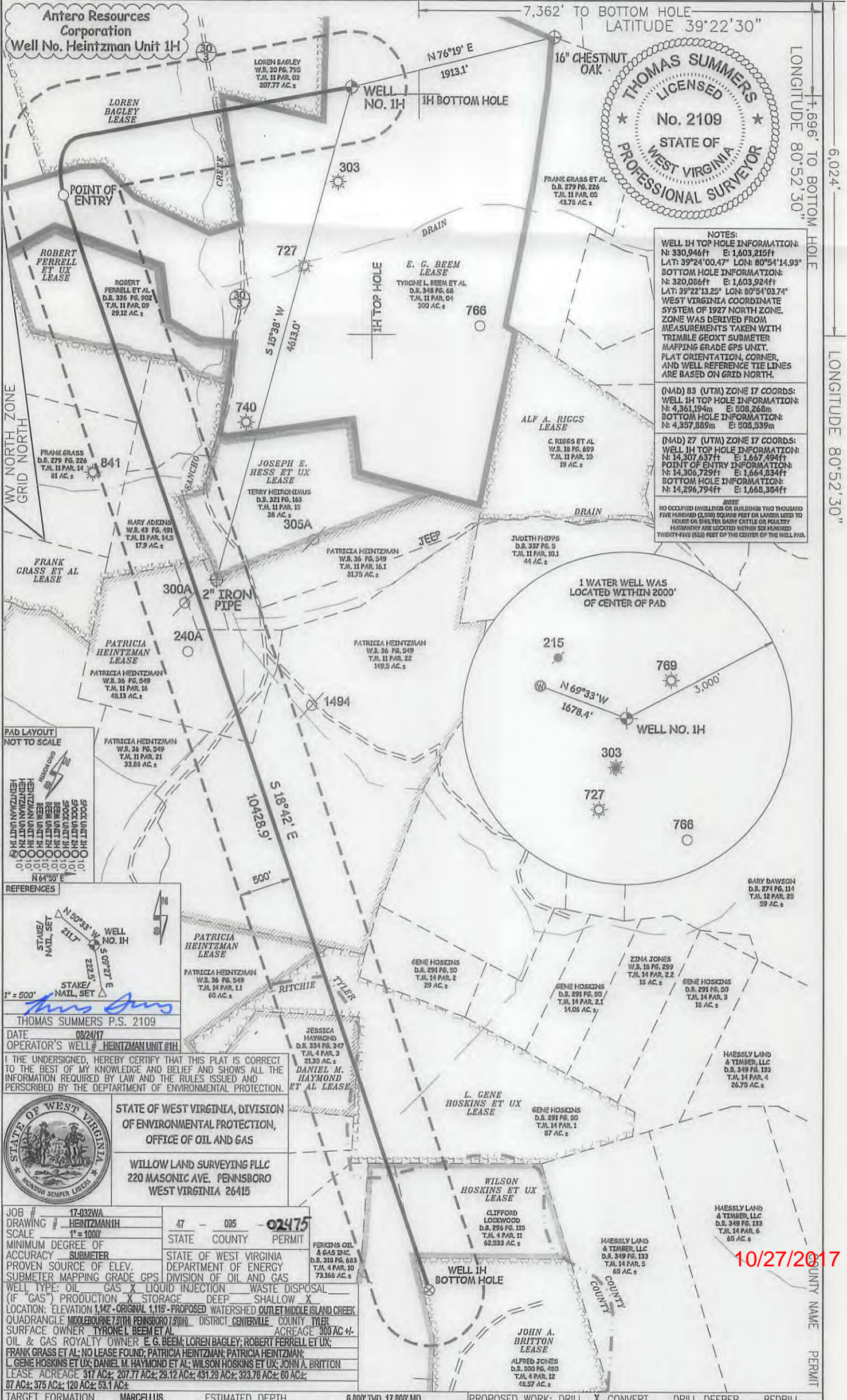
LATITUDE 39°25'00"

8,237'

7,362' TO BOTTOM HOLE
LATITUDE 39°22'30"

LONGITUDE 80°52'30"

6,024' LONGITUDE 80°52'30"



NOTES:
 WELL 1H TOP HOLE INFORMATION:
 N: 330,946ft E: 1,603,215ft
 LAT: 39°24'00.47" LON: 80°54'14.93"
 BOTTOM HOLE INFORMATION:
 N: 320,086ft E: 1,603,924ft
 LAT: 39°22'13.25" LON: 80°54'03.74"
 WEST VIRGINIA COORDINATE SYSTEM OF 1927 NORTH ZONE. ZONE WAS DERIVED FROM MEASUREMENTS TAKEN WITH TRIMBLE GEOXT SUBMETER MAPPING GRADE GPS UNIT. PLAT ORIENTATION, CORNER, AND WELL REFERENCE TIE LINES ARE BASED ON GRID NORTH.

(NAD 83 (UTM) ZONE 17 COORDS:
 WELL 1H TOP HOLE INFORMATION:
 N: 4,361,194m E: 508,268m
 BOTTOM HOLE INFORMATION:
 N: 4,357,889m E: 508,539m

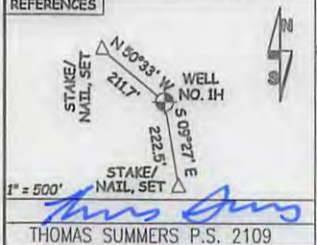
(NAD 27 (UTM) ZONE 17 COORDS:
 WELL 1H TOP HOLE INFORMATION:
 N: 14,307,637ft E: 1,667,494ft
 POINT OF ENTRY INFORMATION:
 N: 14,306,729ft E: 1,664,834ft
 BOTTOM HOLE INFORMATION:
 N: 14,296,794ft E: 1,668,384ft

NOTE
 NO OCCUPIED DWELLINGS OR BUILDINGS TWO THOUSAND FIVE HUNDRED (2,500) SQUARE FEET OR LARGER LEAD TO HOUSE OR SHELTER, DAIRY CATTLE OR POULTRY HUSBANDRY ARE LOCATED WITHIN SIX HUNDRED TWENTY-FIVE (625) FEET OF THE CENTER OF THE WELL PAD.

PAD LAYOUT NOT TO SCALE

01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 00

N 64°59' E



THOMAS SUMMERS P.S. 2109
 DATE 08/24/17
 OPERATOR'S WELL # HEINTZMAN UNIT 1H

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 PERSCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.



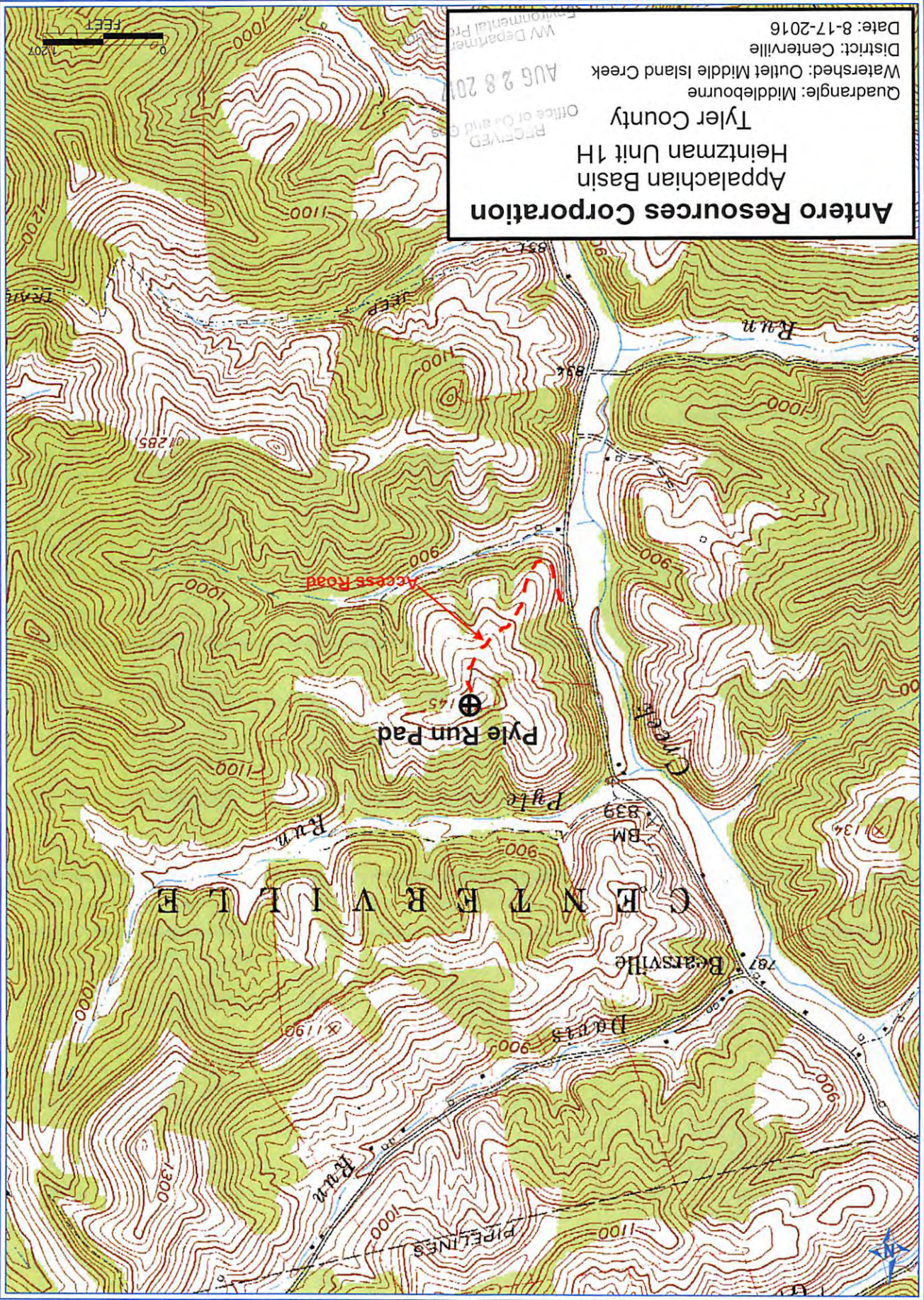
STATE OF WEST VIRGINIA, DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS

WILLOW LAND SURVEYING PLLC
 220 MASONIC AVE. PENNSBORO WEST VIRGINIA 26415

JOB # 17-032WA	47 - 095 - 02475
DRAWING # HEINTZMAN1H	STATE COUNTY PERMIT
SCALE 1" = 1000'	STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY DIVISION OF OIL AND GAS
MINIMUM DEGREE OF ACCURACY SUBMETER	PERKINS OIL & GAS INC. D.B. 310 PG. 693 T.J. 4 PAR. 10 73,168 AC.±
PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS	WELL TYPE: OIL GAS <input checked="" type="checkbox"/> LIQUID INJECTION WASTE DISPOSAL (IF "GAS") PRODUCTION <input checked="" type="checkbox"/> STORAGE DEEP <input checked="" type="checkbox"/> SHALLOW <input type="checkbox"/>
LOCATION: ELEVATION 1,142 - ORIGINAL 1,115 - PROPOSED WATERSHED OUTLET MIDDLE ISLAND CREEK QUADRANGLE MIDDLEBOURNE 7.5TH PENNSBORO 7.5TH DISTRICT CENTERVILLE COUNTY TYLER	WELL 1H BOTTOM HOLE
SURFACE OWNER TYRONE L. BEEM ET AL ACRAGE 300 AC.±	JOHN A. BRITTON LEASE ALFRED JONES D.B. 300 PG. 480 T.J. 4 PAR. 12 45,57 AC.±
OIL & GAS ROYALTY OWNER E. G. BEEM; LOREN BAGLEY; ROBERT FERRELL ET UX; FRANK GRASS ET AL; NO LEASE FOUND; PATRICIA HEINTZMAN; PATRICIA HEINTZMAN; L. GENE HOSKINS ET UX; DANIEL M. HAYMOND ET AL; WILSON HOSKINS ET UX; JOHN A. BRITTON LEASE. ACRAGE 317 AC.±; 207.77 AC.±; 29.12 AC.±; 431.29 AC.±; 323.76 AC.±; 60 AC.±; 87 AC.±; 375 AC.±; 120 AC.±; 53.1 AC.±	
TARGET FORMATION MARCELLUS	ESTIMATED DEPTH 6,800' TVD 17,800' MD
WELL OPERATOR ANTERO RESOURCES CORP.	DESIGNATED AGENT DIANNA STAMPER - CT CORPORATION SYSTEM
ADDRESS 1615 WYNKOOP STREET	ADDRESS 5400 D BIG TYLER ROAD CHARLESTON, WV 25313
FORM WW-6 DENVER, CO 80202	PROPOSED WORK: DRILL <input checked="" type="checkbox"/> CONVERT <input type="checkbox"/> DRILL DEEPER <input type="checkbox"/> REDRILL <input type="checkbox"/> FRACTURE OR STIMULATE <input checked="" type="checkbox"/> PERFORATE NEW FORMATION <input checked="" type="checkbox"/> PLUG OFF OLD FORMATION <input type="checkbox"/> PLUG & ABANDON <input type="checkbox"/> CLEAN OUT & REPLUG <input type="checkbox"/> OTHER PHYSICAL CHANGE IN WELL (SPECIFY)

10/27/2017

Antero Resources Corporation
Appalachian Basin
Heintzman Unit 1H
Tyler County
Quadrangle: Middlebourne
Watershed: Outlet Middle Island Creek
District: Centerville
Date: 8-17-2016
WV Department of Environmental Protection
Office of Oil and Gas
AUG 28 2016
RECEIVED



047-095-02475

10/27/2017