

LATITUDE 39°22'30"

10,035'

LATITUDE 39°25'00"

1,392' TO BOTTOM HOLE

3,700'

8,448' TO BOTTOM HOLE

LONGITUDE 80°52'30"

LONGITUDE 80°55'00"

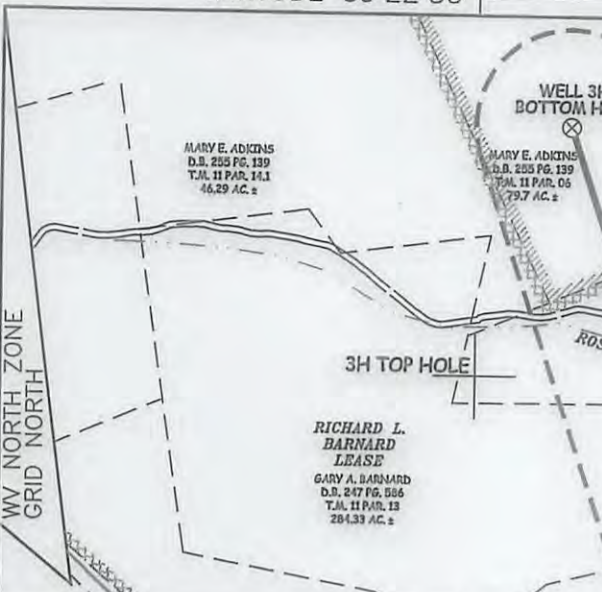
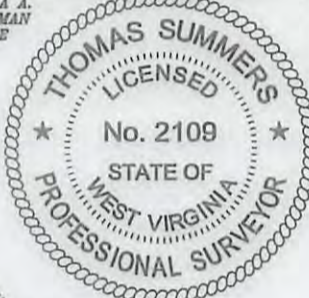
### Antero Resources Corporation Well No. Master Unit 3H

**NOTES:**  
**WELL 3H TOP HOLE INFORMATION:**  
 N: 318,124ft E: 1,601,220ft  
 LAT: 39°21'53.43" LON: 80°54'37.78"  
**BOTTOM HOLE INFORMATION:**  
 N: 328,600ft E: 1,598,249ft  
 LAT: 39°23'36.51" LON: 80°55'17.73"  
 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 3H TOP HOLE INFORMATION:**  
 N: 4,357,278m E: 507,725m  
**BOTTOM HOLE INFORMATION:**  
 N: 4,360,454m E: 506,767m



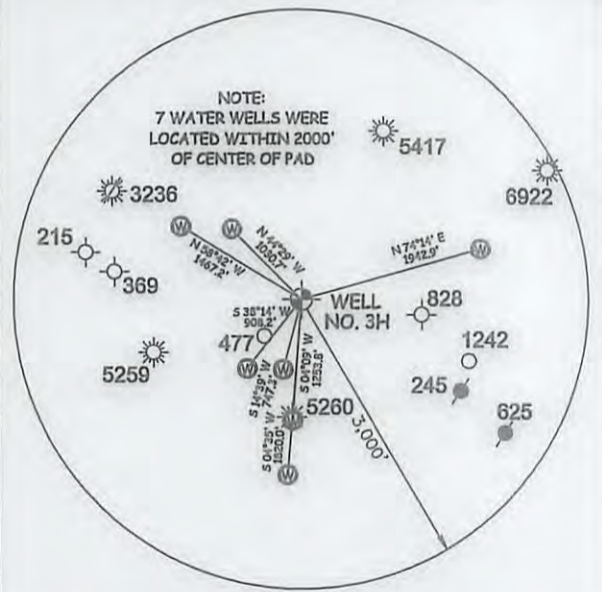
**(NAD) 27 (UTM) ZONE 17 COORDS:**  
**WELL 3H TOP HOLE INFORMATION:**  
 N: 14,294,788ft E: 1,665,714ft  
**POINT OF ENTRY INFORMATION:**  
 N: 14,294,982ft E: 1,666,238ft  
**BOTTOM HOLE INFORMATION:**  
 N: 14,305,209ft E: 1,662,569ft



JOB # 17-015WA  
 DRAWING # MASTER3H  
 SCALE 1" = 1000'  
 MINIMUM DEGREE OF ACCURACY SUBMETER  
 PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS  
 STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY DIVISION OF OIL AND GAS  
 OPERATOR'S WELL# MASTER UNIT #3H  
 47 - 085 - 10361  
 STATE COUNTY PERMIT

**LEGEND**  
 - - - - - Surface Owner Boundary Lines +/-  
 - - - - - Interior Surface Tracts +/-  
 - x - x - Existing Fence  
 ⊕ Found monument, as noted

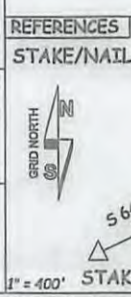
THOMAS SUMMERS P.S. 2109  
 DATE 04/13/18



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



WELL TYPE: OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL   
 (IF "GAS") PRODUCTION  STORAGE  DEEP  SHALLOW   
 LOCATION: ELEVATION 974' - ORIGINAL 970' - PROPOSED  WATERSHED NORTH FORK HUGHES RIVER  
 QUADRANGLE PENNSBORO 7.5' (TH) - MIDDLEBOURNE 7.5' (BH) DISTRICT CLAY COUNTY RITCHIE  
 SURFACE OWNER DANIEL M. HAYMOND IV ET AL ACREAGE 111.48 ACRES +/-  
 OIL & GAS ROYALTY OWNER IRENE NUTTER HAYMOND TRUST; ALLIANCE PETRO. CORP.; LEASE ACREAGE 375 AC±; 16.25 AC±; PATRICIA L. MCCULLOUGH; RICHARD L. BARNARD; FRANK GRASS ET AL 50.5 AC±; 284 AC±; 431.29 AC±  
 PROPOSED WORK: DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE   
 PLUG OFF OLD FORMATION  PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY) PLUG & ABANDON  CLEAN OUT & REPLUG   
 TARGET FORMATION MARCELLUS ESTIMATED DEPTH 6,800' TVD 18,600' MD  
 WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT DIANNA STAMPER - CT CORPORATION SYSTEM  
 ADDRESS 1615 WYNKOOP ST. ADDRESS 5400 D BIG TYLER ROAD CHARLESTON, WV 25313  
 FORM WW-6 DENVER, CO 80202

06/29/2018



**Antero Resources Corporation**  
Appalachian Basin  
Master Unit 3H  
Ritchie County

RECEIVED  
Office of Oil and Gas  
Quadrangle: Middlebourne  
Watershed: North Fork Hughes River  
District: Clay  
Date: 2-1-2017

WV Department of  
Environmental Protection

