

LATITUDE 39°12'30" 3,261'

LATITUDE 39°15'00"

LONGITUDE 80°55'00"

6,842'

12,783' TO BOTTOM HOLE

WELL NO. 1H  
BOTTOM HOLE

6,636' TO BOTTOM HOLE

Antero Resources Corporation  
Well No. Left Fork Unit 1H  
A.P.I. #47-085-10204

AS DRILLED DATA:  
WELL 1H TOP HOLE INFORMATION:  
N: 254,366ft E: 1,595,208ft  
LAT: 39°11'22.38" LON: 80°55'41.42"  
BOTTOM HOLE INFORMATION:  
N: 263,654ft E: 1,591,979ft  
LAT: 39°12'53.66" LON: 80°56'24.31"  
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: 4,337,823m E: 506,218m  
BOTTOM HOLE INFORMATION:  
N: 4,340,636m E: 505,187m

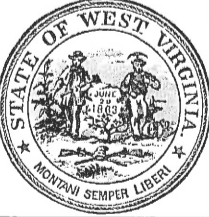
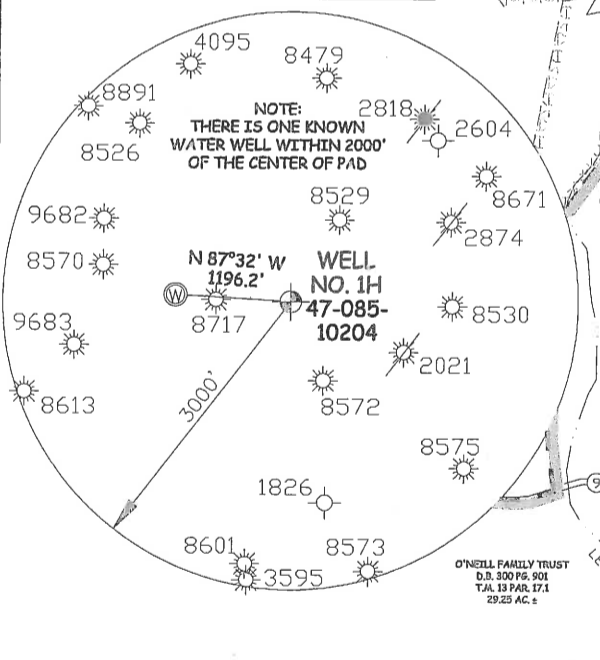
- NOTE**
1. NO OCCUPIED DWELLINGS OR BUILDINGS TWO THOUSAND FIVE HUNDRED (2,500) SQUARE FEET OR LARGER USED TO HOUSE OR SHELTER DAIRY CATTLE OR POULTRY HUSBANDRY ARE LOCATED WITHIN SIX HUNDRED TWENTY-FIVE (625) FEET OF THE CENTER OF THE WELL PAD.
  2. TOP HOLE DATA SHOWN HEREON WAS PROVIDED BY ALLEGHENY SURVEYS, INC.
  3. AS DRILLED DATA WAS PROVIDED BY ANTERO RESOURCES CORPORATION.
  4. WLS IS NOT CERTIFYING THE DATA AND INFORMATION PROVIDED LISTED IN NOTES 2 AND 3, ONLY THE RELATIONSHIP TO THE DATA AND INFORMATION PROVIDED TO THE LEASE BOUNDARIES.
  5. WLS IS BY NO MEANS RESPONSIBLE FOR ANY ERRORS OR INACCURACIES WITH THE DATA AND INFORMATION THAT HAS BEEN PROVIDED.

WV NORTH ZONE GRID NORTH

JOB # **12-045WA**  
DRAWING # **LEFTFORKUNIT1HAD**  
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

**PAD LAYOUT**  
NOT TO SCALE

LEFT FORK UNIT 2H 10'  
LEFT FORK UNIT 1H 10'  
LEFT FORK UNIT 3H 10'  
LEFT FORK UNIT 4H 10'  
HARRIS UNIT 2H 10'  
HARRIS UNIT 1H 10'



STATE OF WEST VIRGINIA, DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS  
WILLOW LAND SURVEYING PLLC  
220 MASONIC AVE PENNSBORO WEST VIRGINIA 26415  
DATE **11/08/16**  
OPERATOR'S WELL # **LEFT FORK UNIT #1H**

**LEGEND**

- Surface Owner Boundary Lines +/-
- Interior Surface Tracts +/-
- Found monument, as noted
- Proposed Well Path
- As Drilled Well Path

**WELL NO. 1H 47-085-10204**

WELL TYPE: OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL  API WELL # **47-085-10204**

(IF "GAS") PRODUCTION  STORAGE  DEEP  SHALLOW  STATE COUNTY PERMIT

LOCATION: ORIGINAL GROUND ELEV. **1,039'** AS DRILLED ELEV. **1,019'** WATERSHED **SOUTH FORK HUGHES RIVER**

QUADRANGLE **PULLMAN 7.5'** DISTRICT **UNION** COUNTY **RITCHIE**

SURFACE OWNER **O'NEILL FAMILY TRUST ET AL** ACREAGE **300.45 ACRES +/-**

OIL & GAS ROYALTY OWNER **O'NEILL FAMILY TRUST ET AL;** LEASE ACREAGE **517.83 ACRES +/-**

**W. G. BURGAN ET AL; RACHIE E. JONES ET AL; MITCHIE COTTRILL ET AL; LORETTA K. CLARK ET AL** **154 ACRES +/-; 39 ACRES +/-; 19.9 ACRES +/-; 60 ACRES +/-**

PROPOSED WORK: DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE

PLUG OFF OLD FORMATION  PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY) **(X) AS DRILLED** PLUG & ABANDON CLEAN OUT & REPLUG

TARGET FORMATION **MARCELLUS** ESTIMATED DEPTH **6,300' TVD 16,201' MD**

WELL OPERATOR **ANTERO RESOURCES CORP.** DESIGNATED AGENT **DIANNA STAMPER**

ADDRESS **1615 WYNKOOP STREET** ADDRESS **CT CORPORATION SYSTEM**

**DENVER, CO 80202** **5400 D BIG TYLER ROAD**

**DENVER, CO 80202** **CHARLESTON, WV 25313**

05/26/2017