



**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.

**AS DRILLED DATA:**  
**WELL 2H TOP HOLE INFORMATION:**  
 N: 272,915ft E: 1,616,865ft  
**BOTTOM HOLE INFORMATION:**  
 N: 279,329ft E: 1,615,198ft  
 LAT: 39°14'29.02" LON: 80°51'09.93"  
 LAT: 39°15'32.16" LON: 80°51'32.36"  
 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 2H TOP HOLE INFORMATION:**  
 N: 4,343,584m E: 512,721m  
**BOTTOM HOLE INFORMATION:**  
 N: 4,345,530m E: 512,181m

**NOTE:**  
 2 WATER WELLS AND 1 DEVELOPED SPRING WERE LOCATED WITHIN 2000' OF PROPOSED WELL  
**WELL NO. 2H 47-017-06191**  
 557°05' E 243'  
 560°47' W 1369.2'  
 810.6' W  
 810.6' W  
 388.6'

**PAD LAYOUT**

HOUSE UNIT 1H  
 HOUSE UNIT 2H  
 CALLIE UNIT 1H  
 CALLIE UNIT 2H  
 STELLA UNIT 1H  
 STELLA UNIT 2H  
 BIERSTADT UNIT 1H  
 BIERSTADT UNIT 2H  
 AHOUSE UNIT 3

JOB # 12-061WA  
 DRAWING # AHOUSE2HAD  
 SCALE 1" = 1000'  
 MINIMUM DEGREE OF ACCURACY SUBMETER  
 PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS



STATE OF WEST VIRGINIA, DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS  
 WILLOW LAND SURVEYING PLLC  
 220 MASONIC AVE. PENNSBORO WEST VIRGINIA 26415

**LEGEND**  
 - - - Surface Owner Boundary Lines +/-  
 - - - Interior Surface Tracts +/-  
 X Existing Fence  
 ⊕ Found monument, as noted  
 ○ Proposed Well Path  
 ⊗ As Drilled Well Path

STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY DIVISION OF OIL AND GAS  
 WELL TYPE: OIL GAS  LIQUID INJECTION WASTE DISPOSAL  
 (IF "GAS") PRODUCTION  STORAGE DEEP SHALLOW   
 LOCATION: ELEVATION 1,030' ORIGINAL - 1,008' AS DRILLED WATERSHED NORTH FORK HUGHES RIVER  
 QUADRANGLE OXFORD 7.5' DISTRICT CENTRAL COUNTY DODD PERMIT 0091262015  
 SURFACE OWNER OLIN E. & MARY PRIMM ACREAGE 19.34 ACRES +/-  
 OIL & GAS ROYALTY OWNER OLIN E. PRIMM ET UX; A. BEAVER ET UX; LEASE ACREAGE 19.34 ACRES +/-; 113 ACRES +/-  
 RALPH H. LEGGETT ET UX; GERRY FOURMAN ET AL 108 ACRES +/-; 137.65 ACRES +/-  
 PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE  
 PLUG OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL  
 (SPECIFY)  AS DRILLED PLUG & ABANDON CLEAN OUT & REPLUG  
 TARGET FORMATION MARCELLUS ESTIMATED DEPTH 6,572' TVD 13,550' MD  
 WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT DIANNA STAMPER  
 ADDRESS 1615 WYNKOOP STREET ADDRESS 5400 D BIG TYLER ROAD  
 DENVER, CO 80202 CHARLESTON, WV 25313