



**Antero Resources Corporation**  
**Well No. Shepherd Unit 3H**

**NOTES:**  
 WELL 3H TOP HOLE INFORMATION:  
 N: 316,373ft E: 1,582,836ft  
 LAT: 39°21'33.21" LON: 80°58'31.46"  
 BOTTOM HOLE INFORMATION:  
 N: 327,181ft E: 1,580,966ft  
 LAT: 39°23'19.72" LON: 80°58'57.54"  
 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: 4,356,650m E: 502,133m  
 BOTTOM HOLE INFORMATION:  
 N: 4,359,934m E: 501,509m

(NAD) 27 (UTM) ZONE 17 COORDS:  
 WELL 3H TOP HOLE INFORMATION:  
 N: 14,292,731ft E: 1,647,368ft  
 POINT OF ENTRY INFORMATION:  
 N: 14,293,448ft E: 1,649,322ft  
 BOTTOM HOLE INFORMATION:  
 N: 14,303,502ft E: 1,645,319ft



JOB # 15-044WA  
 DRAWING # SHEPHERD3H  
 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

**LEGEND**  
 - - - Surface Owner Boundary Lines +/-  
 - - - Interior Surface Tracts +/-  
 X Existing Fence  
 Rebar, Found

DOUGLAS R. ROWE P.S. 2202  
**API: 47-015-02387 MGA**  
 DATE 09/09/16  
 OPERATOR'S WELL# SHEPHERD 3H

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 AVENUE PENNSBORO WEST VIRGINIA 26415

WELL TYPE: OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL   
 (IF "GAS") PRODUCTION  STORAGE  DEEP  SHALLOW   
 LOCATION: ELEVATION 1,199 ORIGINAL - 1,178 PROPOSED WATERSHED OUTLET MIDDLE ISLAND CREEK  
 QUADRANGLE PENNSBORO 7.5 SHL MIDDLEBOURNE 7.5 BHL DISTRICT MEADE COUNTY TYLER  
 SURFACE OWNER DAVID M. HARTLEY ACREAGE 42.56 ACRES +/-  
 OIL & GAS ROYALTY OWNER DAVID M. HARTLEY ET AL; TERRY L. SNIDER; VICTOR AYERS; ASHFORD BROADWATER; M.J. FAIRFAX ET AL; ELIZABETH M. LATHEY LEASE ACREAGE 42.56 AC±; 221.24 AC±; 97 AC±; 583.712 AC±; 120 AC±; 60 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 6,600' TVD 19,450' MD  
 WELL OPERATOR ANTERO RESOURCES CORPORATION DESIGNATED AGENT DIANNA STAMPER - CT CORPORATION SYSTEM  
 ADDRESS 1615 WYNKOOP STREET DENVER, CO 80202 ADDRESS 5400 D BIG TYLER ROAD CHARLESTON, WV 25313

DATE **4/2/23/2016**