

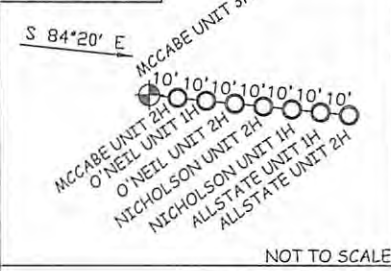
**Antero Resources Corporation**  
 Well No. McCabe Unit 3H  
 47-085-10019 (AS DRILLED)

**AS DRILLED DATA:**  
 WELL 3H TOP HOLE INFORMATION:  
 N: 256,313ft E: 1,607,596ft  
 LAT: 39°11'43.54" LON: 80°53'04.48"  
 BOTTOM HOLE INFORMATION:  
 N: 262,659ft E: 1,604,242ft  
 LAT: 39°12'45.75" LON: 80°53'48.33"  
 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: 4,338,479m E: 509,982m  
 BOTTOM HOLE INFORMATION:  
 N: 4,340,396m E: 508,928m

- NOTES**
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.

**PAD LAYOUT**



**Received**  
**Office of Oil & Gas**  
 MAY 18 2015

JOB # 12-074WA  
 DRAWING # MCCABE3HAD  
 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  
 DATE 04/14/15

STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY DIVISION OF OIL AND GAS  
 WELL TYPE: OIL GAS X LIQUID INJECTION WASTE DISPOSAL  
 (IF "GAS") PRODUCTION X STORAGE DEEP SHALLOW X STATE COUNTY PERMIT  
 LOCATION: ELEVATION 1,153' ORIGINAL - 1,144' AS-DRILLED WATERSHED SOUTH FORK HUGHES RIVER DISTRICT UNION COUNTY RITCHIE  
 QUADRANGLE PULLMAN 7.5'  
 SURFACE OWNER ANDREW WILLIAMSON ET AL ACREAGE 93.81 ACRES +/-  
 OIL & GAS ROYALTY OWNER GEORGE P. BLACK ET AL; ORLA J. ADAMS ET UX; E. MIRACLE ET AL; BROOKS F. MCCABE ET UX; FRED CONSTABLE ET AL; J.B. TAFT ET AL; A.F. KEHRER ET UX  
 LEASE ACREAGE 93 ACRES±; 314 ACRES±; 21.45 ACRES±; 63 ACRES±; 56 ACRES±; 57 ACRES±; 118.75 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 6,621' TVD 13,841' MD  
 WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT DIANNA STAMPER  
 ADDRESS 1615 WYNKOOP STREET ADDRESS 5400 D BIG TYLER ROAD  
 FORM WW-6 DENVER, CO 80202 CHARLESTON, WV 25313

06/05/2015

COUNTY NAME PERMIT