

Antero Resources Corporation
Well No. Snodgrass Unit 2H
47-017-09996 (AS DRILLED)

AS DRILLED DATA:
WELL 2H TOP HOLE INFORMATION:
 N: 251,231ft E: 1,594,597ft
BOTTOM HOLE INFORMATION:
 N: 243,756ft E: 1,596,405ft
 LAT: 39°10'51.30" LON: 80°55'48.54"
 LAT: 39°09'37.71" LON: 80°55'24.08"

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.

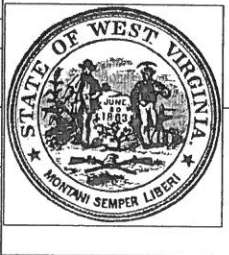
(NAD) 83 (UTM) ZONE 17 COORDS:
WELL 2H TOP HOLE INFORMATION:
 N: 4,336,865m E: 506,048m
BOTTOM HOLE INFORMATION:
 N: 4,334,597m E: 506,636m

- 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.

THERE ARE NO KNOWN WATER WELLS WITHIN 2000' OF PROPOSED WELL

WELL NO. 2H
47-085-09996

JOB # **12-047WA**
 DRAWING # **SNODGRASS2HAD**
 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
 P.O. BOX 17
 PENNSBORO, WV 26415

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

DATE **05/18/15**
 OPERATOR'S WELL# **SNODGRASS UNIT #2H**
 API WELL # **47 - 085 - 09996**
 STATE COUNTY PERMIT

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 **1,012' ORIGINAL - 1,015' AS-DRILLED** WATERSHED **SOUTH FORK HUGHES RIVER**
 QUADRANGLE **PULLMAN 7.5'** DISTRICT **UNION** COUNTY **RITCHIE**
 SURFACE OWNER **JOHN A. & LINDA J. CAMPBELL** ACREAGE **120.25 ACRES +/-**
 OIL & GAS ROYALTY OWNER **FREEMAN CAMPBELL; RUTH VILLERS ET AL; O.D. COX ET AL; OTHA D. COX; FORD SNODGRASS ET AL** LEASE ACREAGE **120.25 ACRES±; 100 ACRES ±; 54 ACRES±; 79.2 ACRES±; 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) **(X) AS DRILLED** PLUG & ABANDON CLEAN OUT & REPLUG
 TARGET FORMATION **MARCELLUS** ESTIMATED DEPTH **6,383' TVD 13,871' 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**
FORM WW-6 **CHARLESTON, WV 25313**

COUNTY NAME PERMIT