

LATITUDE 39°20'00"

8,696'

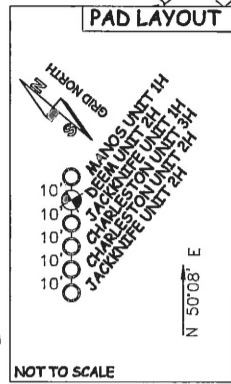
4,459' TO BOTTOM HOLE
LATITUDE 39°17'30"

20' TO BOTTOM HOLE
LONGITUDE 80°55'00"

6,352'

LONGITUDE 80°55'00"

Antero Resources Corporation
Weil No. Deem Unit 2H
API #47-085-10269



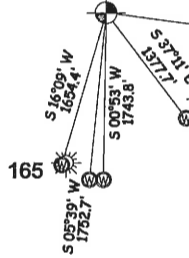
AS DRILLED DATA:
WELL 2H TOP HOLE INFORMATION:
N: 300,464ft E: 1,590,499ft
LAT: 39°18'57.22" LON: 80°56'50.65"
BOTTOM HOLE INFORMATION:
N: 291,554ft E: 1,594,596ft
LAT: 39°17'29.81" LON: 80°55'56.72"
WEST VIRGINIA COORDINATE SYSTEM OF 1927 NORTH ZONE. ZONE WAS DERIVED FROM MEASUREMENTS TAKEN WITH TRIMBLE 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: 4,351,843m E: 504,549m
BOTTOM HOLE INFORMATION:
N: 4,349,149m E: 505,842m

- 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 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.

NOTE:
4 WATER WELLS WERE LOCATED WITHIN 2000' OF THE CENTER OF PROPOSED PAD

47-085-10269
WELL NO. 2H



LEGEND

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

DATE **12/22/16**

OPERATOR'S WELL# **DEEM UNIT #2H**

JOB # **15-039WA**
DRAWING # **DEEM2HAD**
SCALE **1" = 1000'**
MINIMUM DEGREE OF ACCURACY **SUBMETER**
PROVEN SOURCE OF ELEV. **SUBMETER MAPPING GRADE GPS**

API WELL # **47 - 085 - 10269**
STATE COUNTY PERMIT



STATE OF WEST VIRGINIA, DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
WILLOW LAND SURVEYING PLLC
P.O. BOX 17 PENNSBORO WEST VIRGINIA 26415

STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY DIVISION OF OIL AND GAS

WELL TYPE: OIL ___ GAS **X** LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF "GAS") PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW **X**
LOCATION: ELEVATION **1,127' AS-DRILLED** WATERSHED **NORTH FORK HUGHES RIVER**

QUADRANGLE **PENNSBORO 7.5'** DISTRICT **CLAY** COUNTY **RITCHIE**

SURFACE OWNER **STEPHEN C. JACKSON ET AL** ACREAGE **40.835 ACRES +/-**
OIL & GAS ROYALTY OWNER **HARVEY WEIGLE HEIRS; STEVE JACKSON; CARRIE B. TAYLOR HEIRS; M.H. JONES ET AL; LEWIS B. HUFF ET UX; B.C. HAMMOND ET UX; JOHN H. MILLER ET UX; JOHN HENRY MILLER ET UX; CARLTON BOYCE ET UX** LEASE ACREAGE **51 ACRES+; 117 ACRES+; 35.5 ACRES+; 200 ACRES+; 164 ACRES+; 73 ACRES+; 24 ACRES+; 21.25 ACRES+; 201 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 ___ ESTIMATED DEPTH **6,440' TVD 16,303' MD**
TARGET FORMATION **MARCELLUS**
WELL OPERATOR **ANTERO RESOURCES CORP.** DESIGNATED AGENT **DIANNA STAMPER CT CORPORATION SYSTEM**
ADDRESS **1615 WYNKOOP STREET DENVER, CO 80202** ADDRESS **5400 D BIG TYLER ROAD CHARLESTON, WV 25313**

05/26/2017